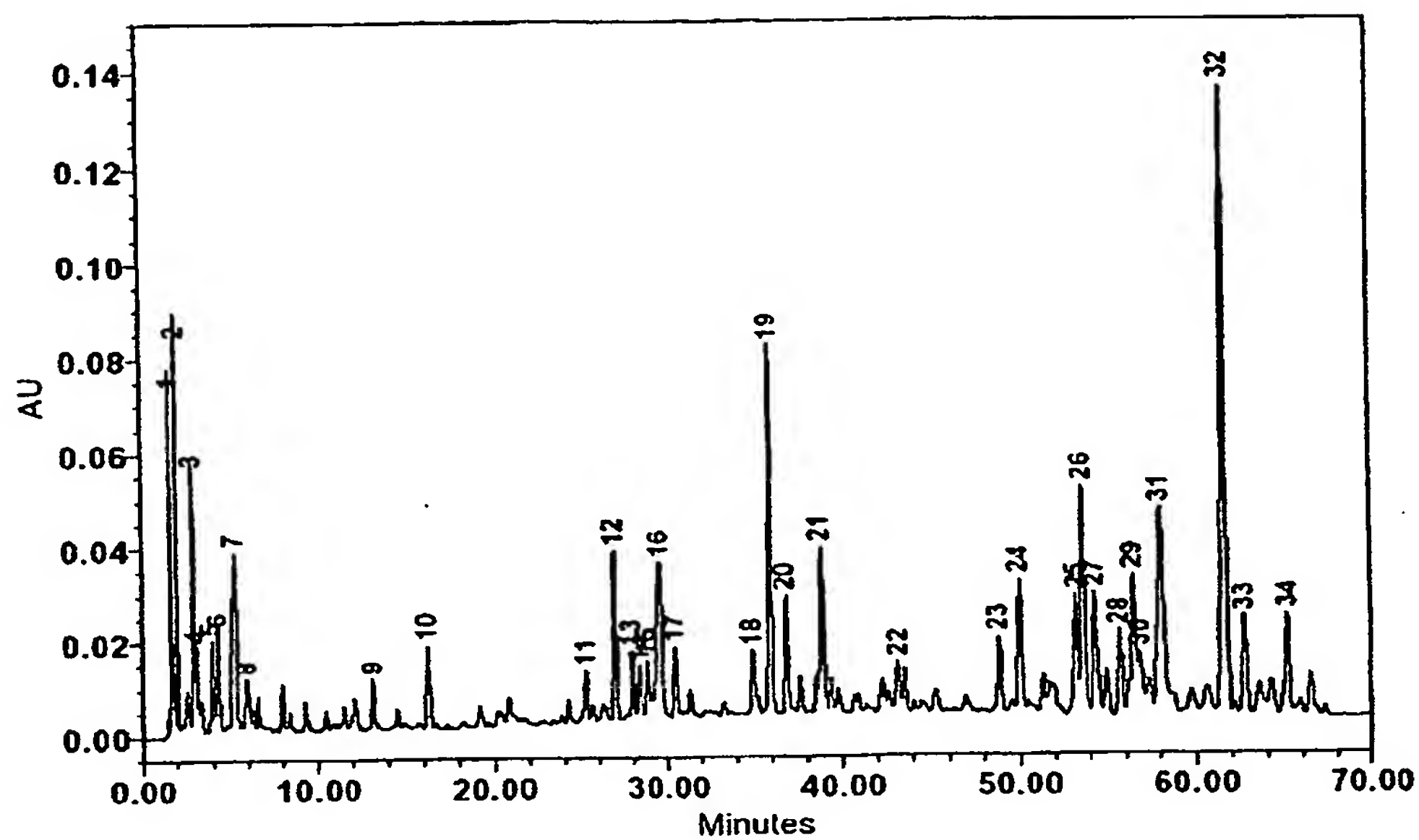
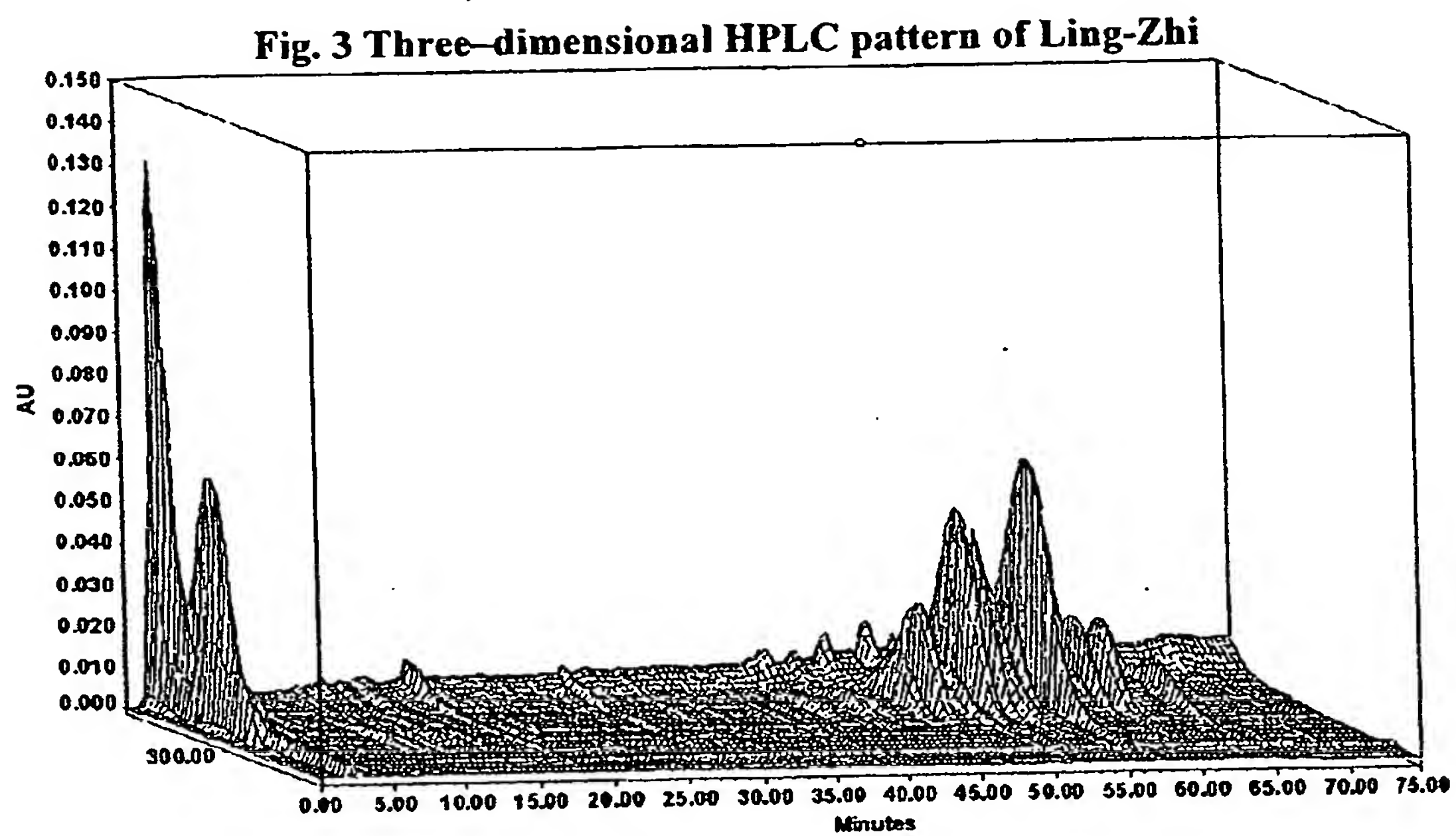


**FIGURE 1**

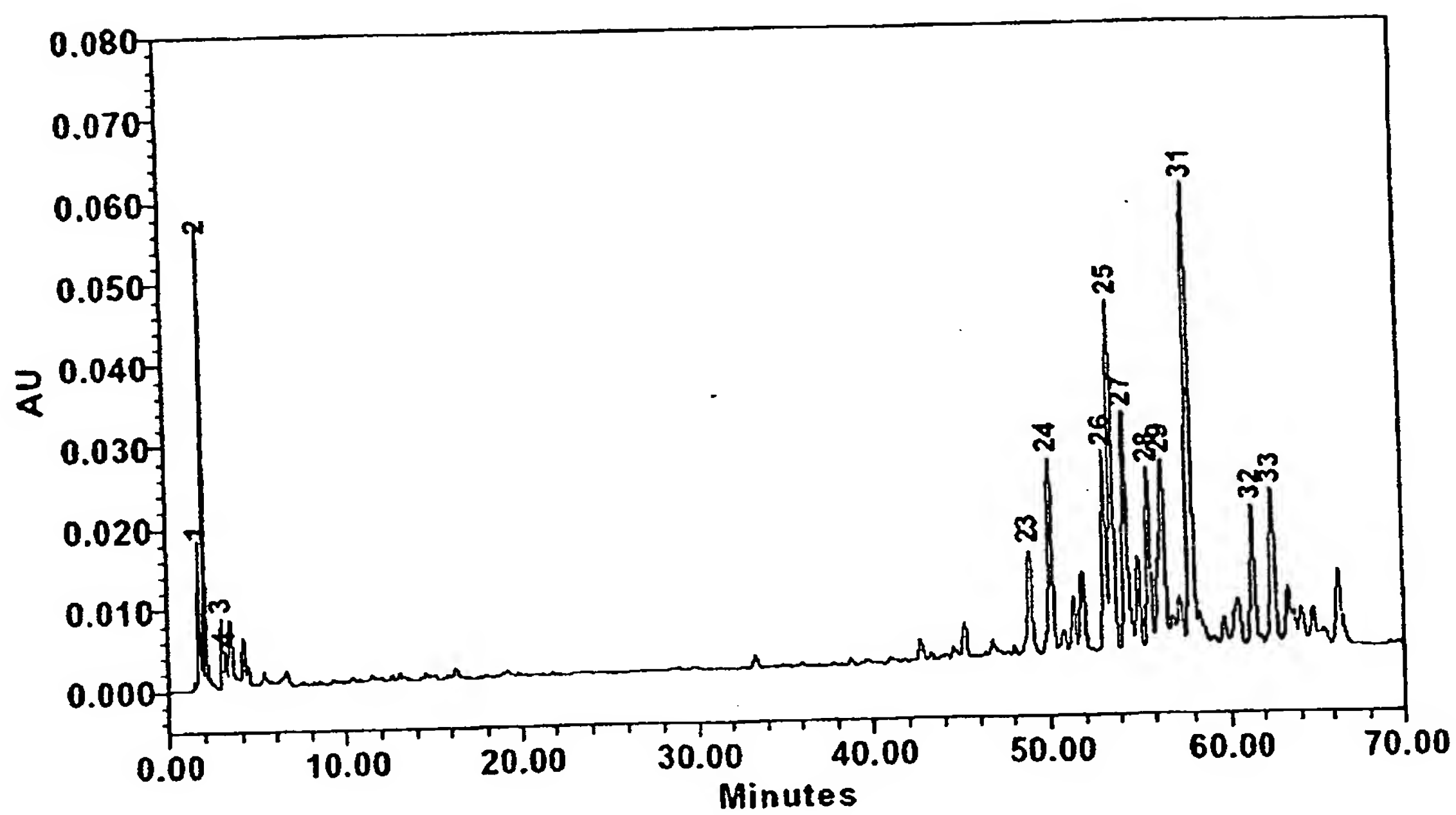
**Fig. 2 The HPLC fingerprint of ASHMI at 254nm**



**FIGURE 2**

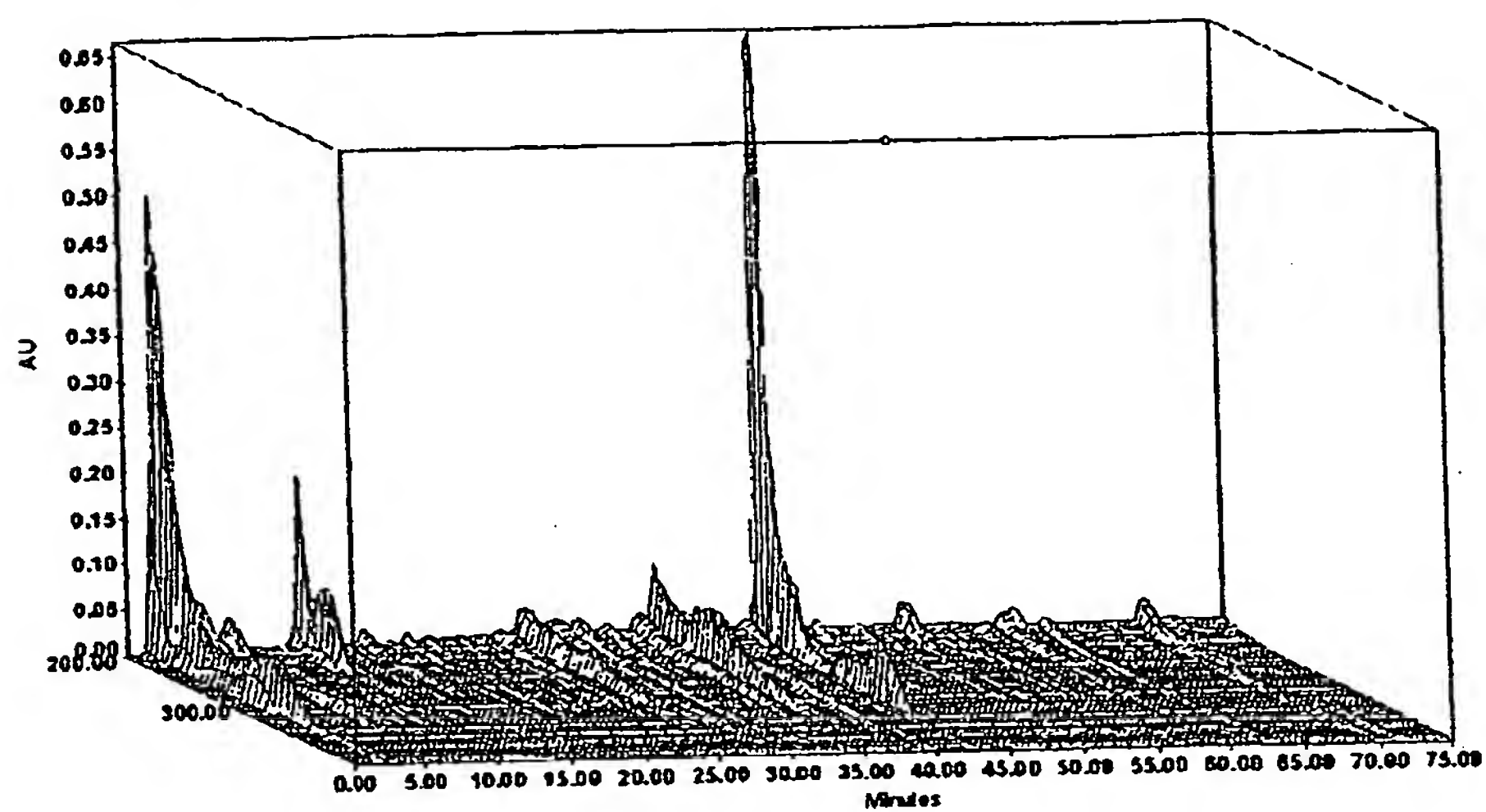
**FIGURE 3**

**Fig 4 The HPLC fingerprint of Ling-Zhi at 254 nm**



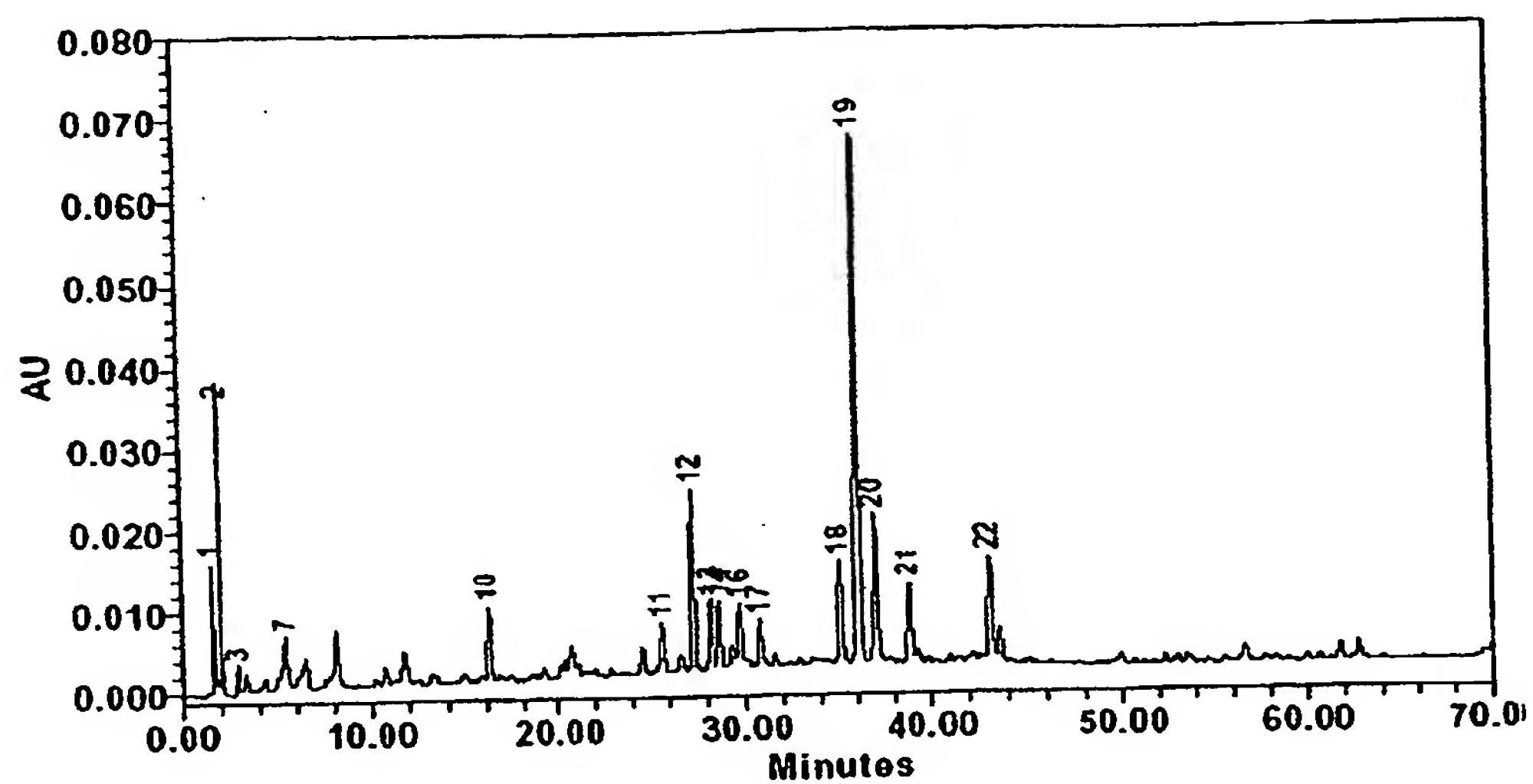
**FIGURE 4**

**Fig. 5 Three-dimensional HPLC pattern of Ku-Shen**



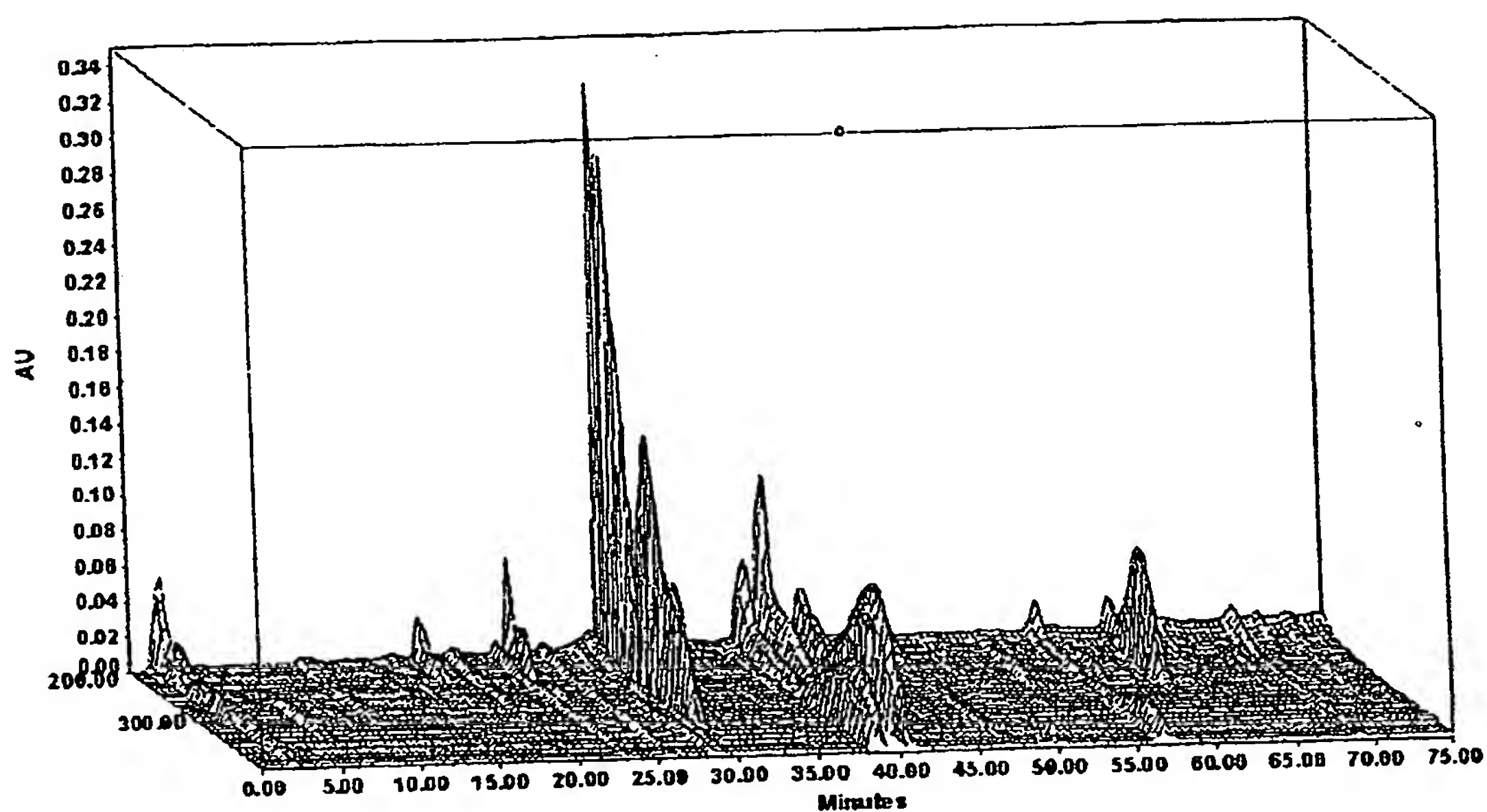
**FIGURE 5**

**Fig. 6 The HPLC fingerprint of Ku-Shen at 254nm**

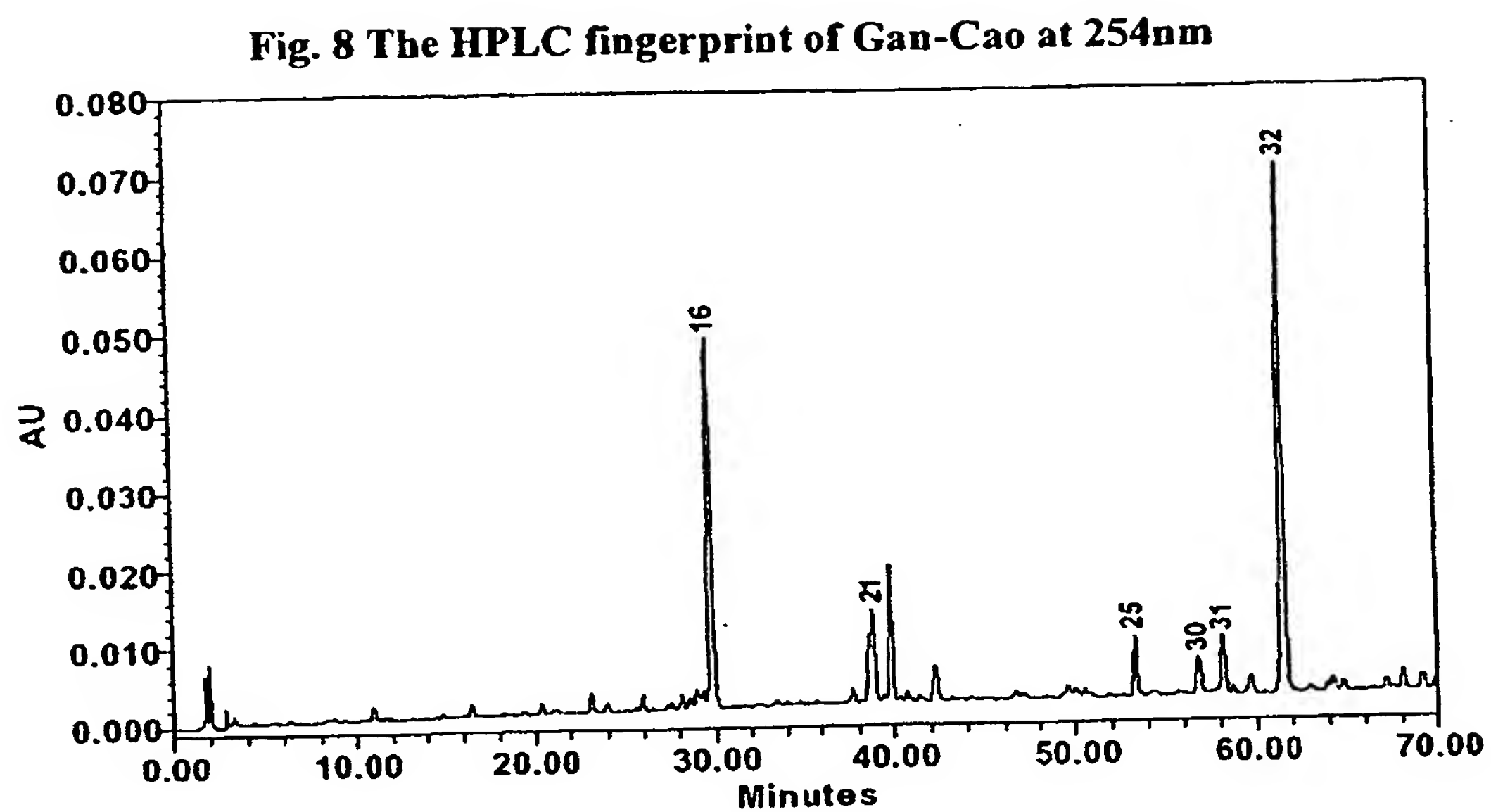


**FIGURE 6**

**Fig.7 Three-dimensional HPLC pattern of Gan-Cao**

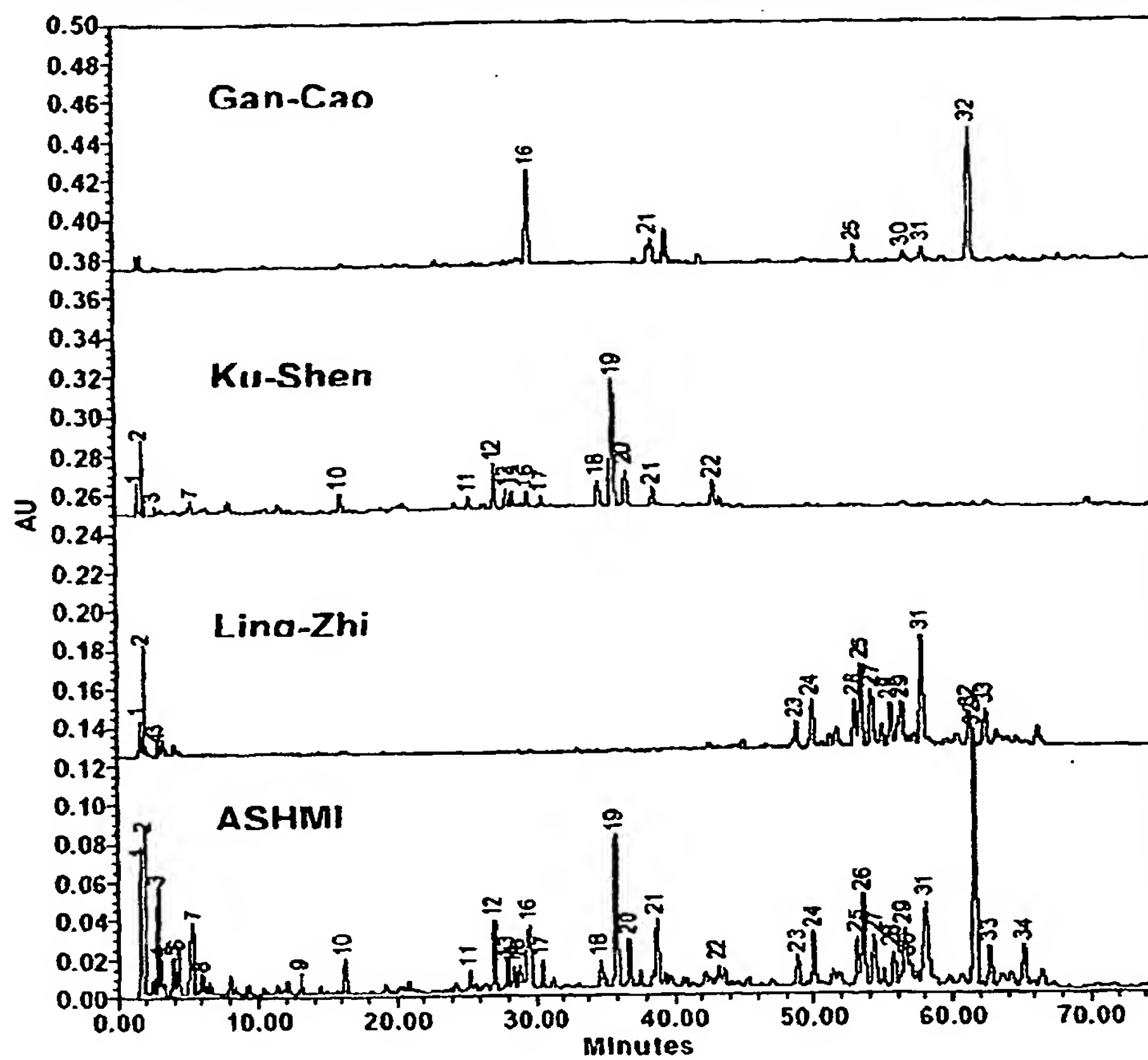


**FIGURE 7**

**FIGURE 8**



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**Fig. 9 The HPLC profiles of ASHMI and individuals (254nm)****FIGURE 9**

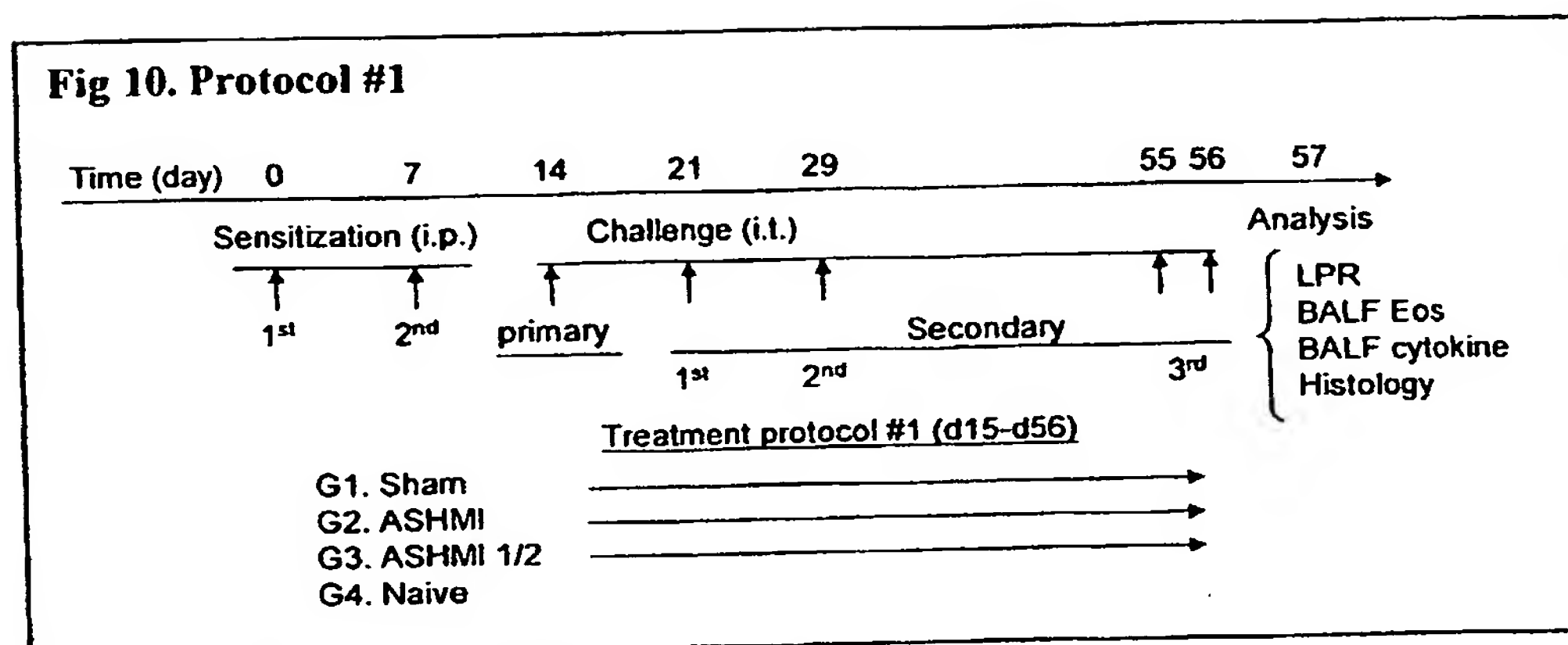


FIGURE 10

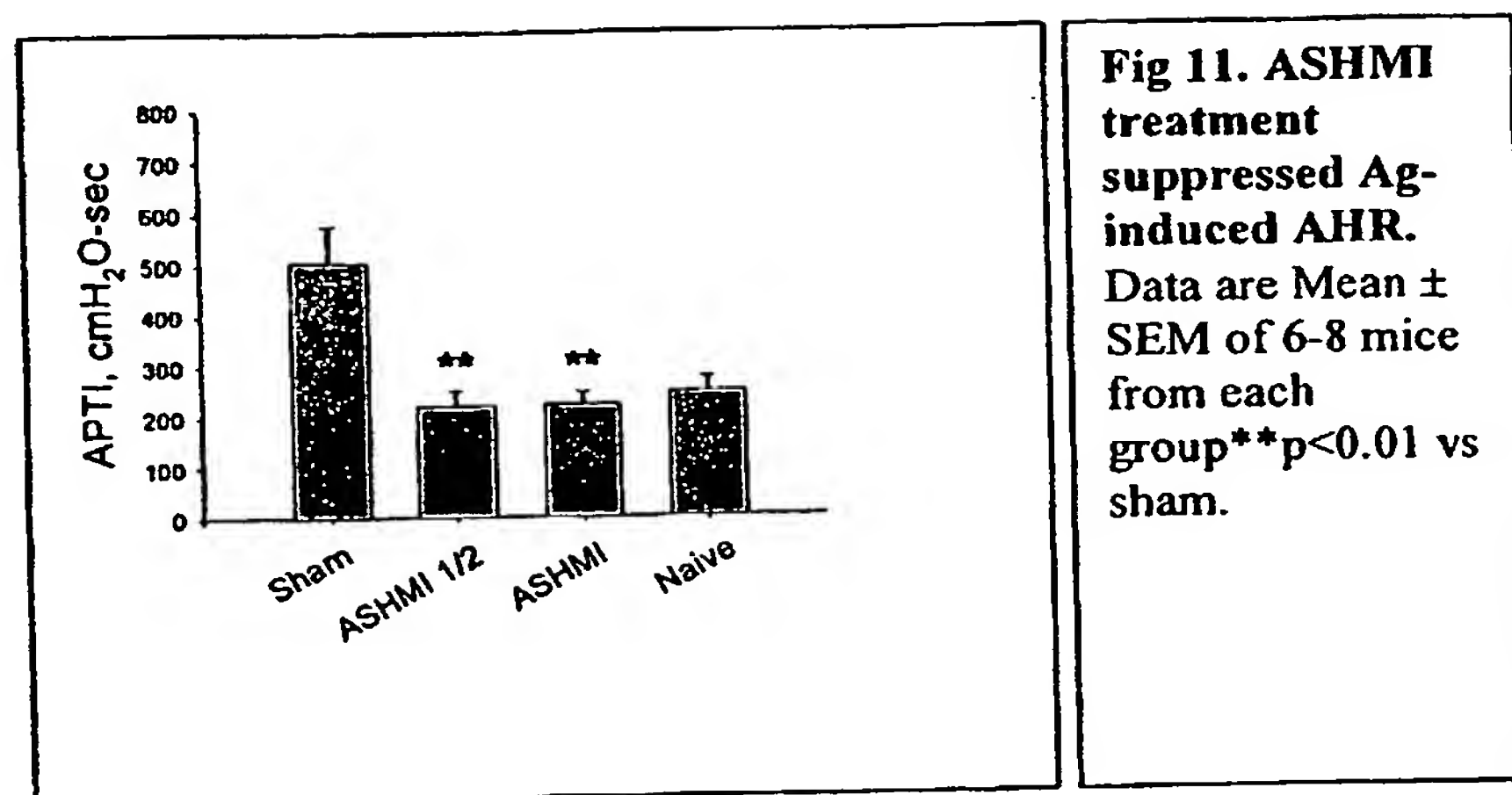
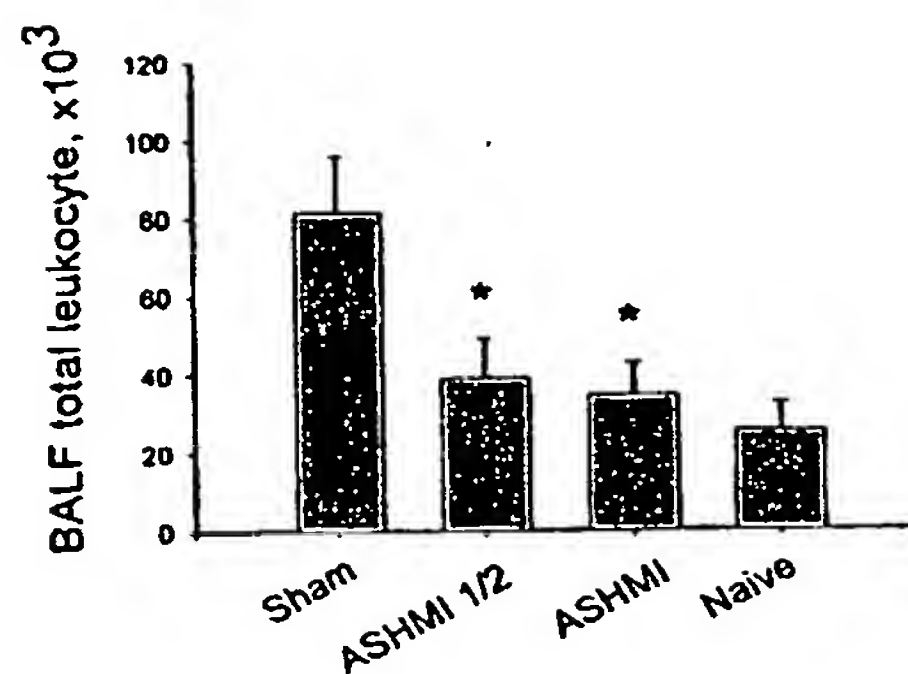
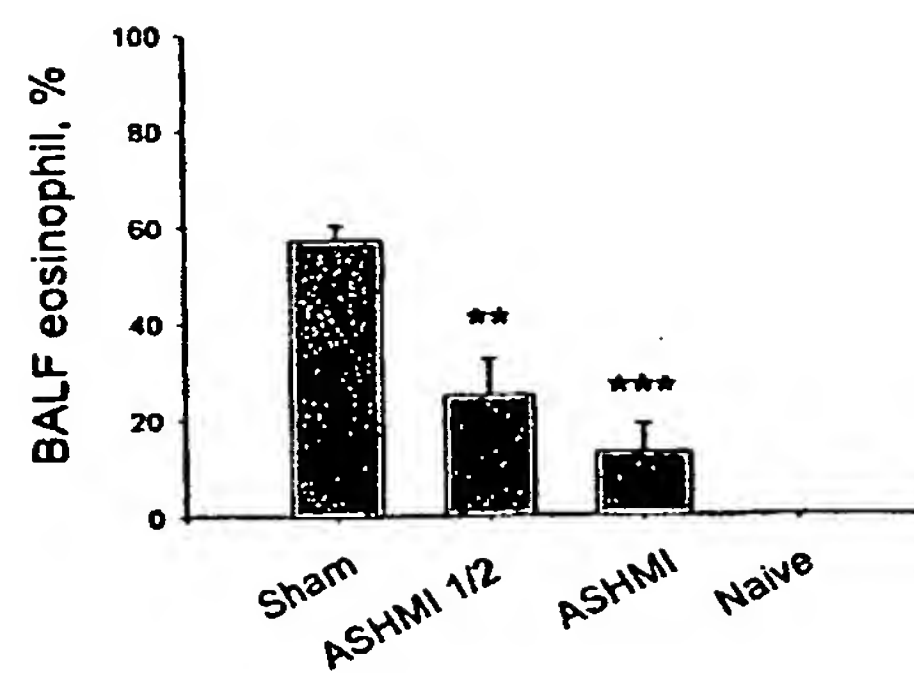


FIGURE 11

A.



B.



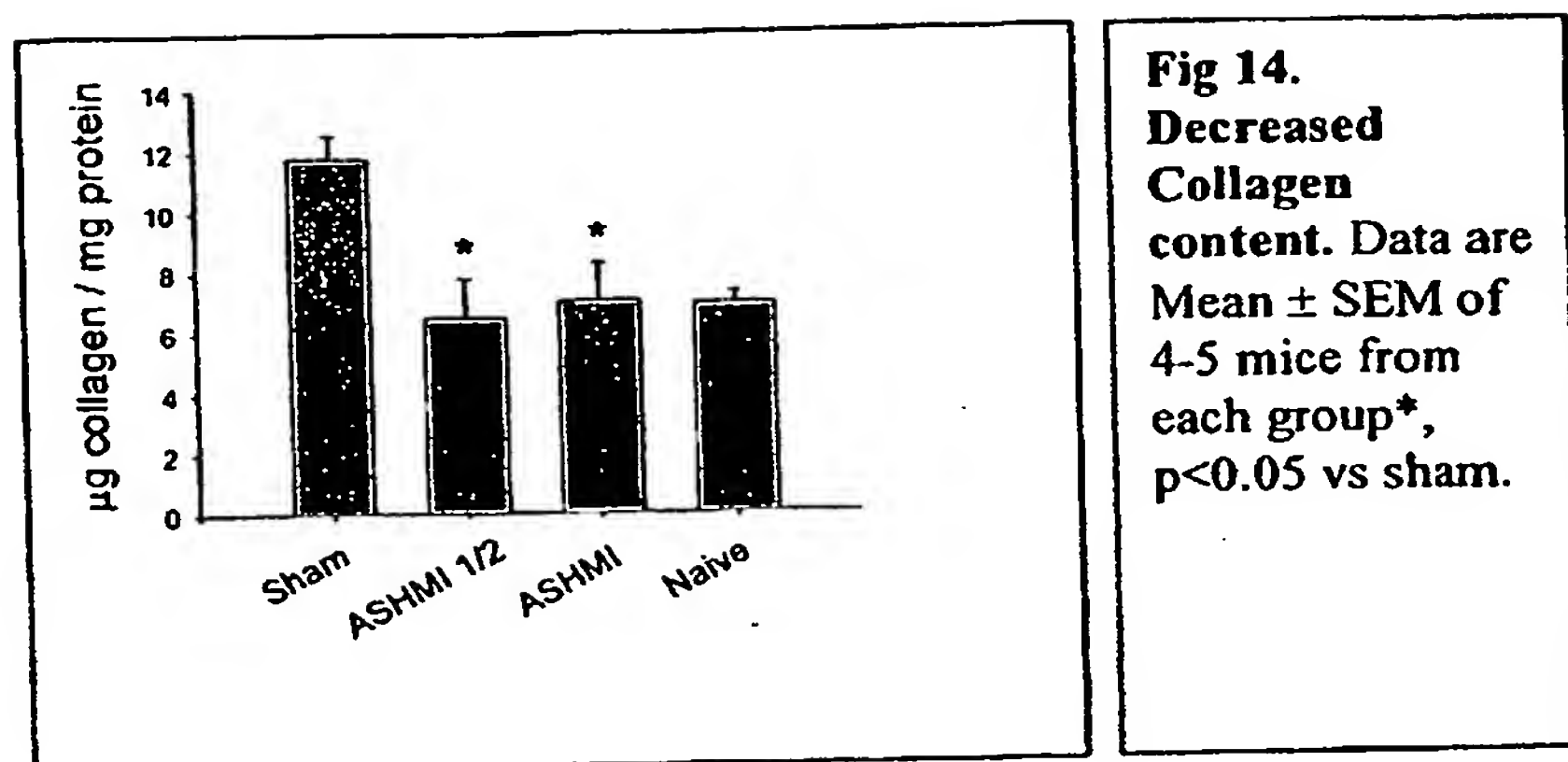
**Fig 12. ASHMI reduced Ag-induced pulmonary inflammation:** Total number of cells and differential counts of BALF cells were determined by microscopic evaluation. A. shows the total number of cells and B. shows percent of eosinophils. Data are Mean  $\pm$  SEM of 6-8 mice from each group. \*,  $p < 0.05$ ; \*\*,  $p < 0.01$  vs sham and \*\*\*,  $p < 0.001$ .

**FIGURE 12**



**Fig4. Lung histology.** Mice in each group (n=4/group) were necropsied after airway response measurement and unlavaged left upper lobe lungs were fixed in neutral buffered formaldehyde. Five- $\mu$ m paraffin sections were stained with periodic acid-Schiff's reagent (PAS) for goblet cells. A. shows goblet cell hyperplasia in airway from a saline placebo treated mouse. B. illustrates markedly reduced mucus goblet cells in airways of ASHMI treated mice. C. shows absence of goblet cells in airways of naïve mice.

**FIGURE 13**

**FIGURE 14**

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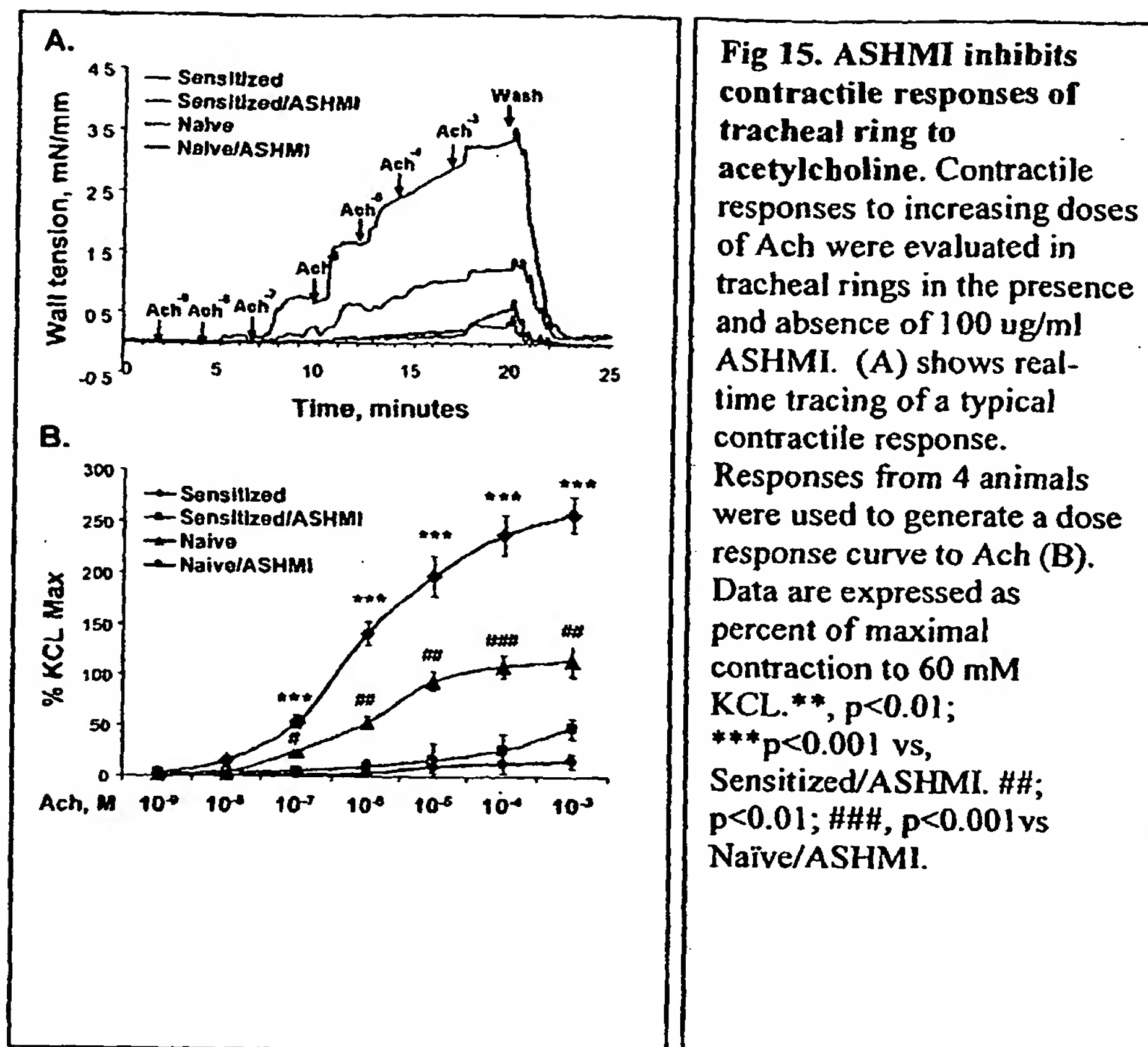


FIGURE 15

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FIGURE 16

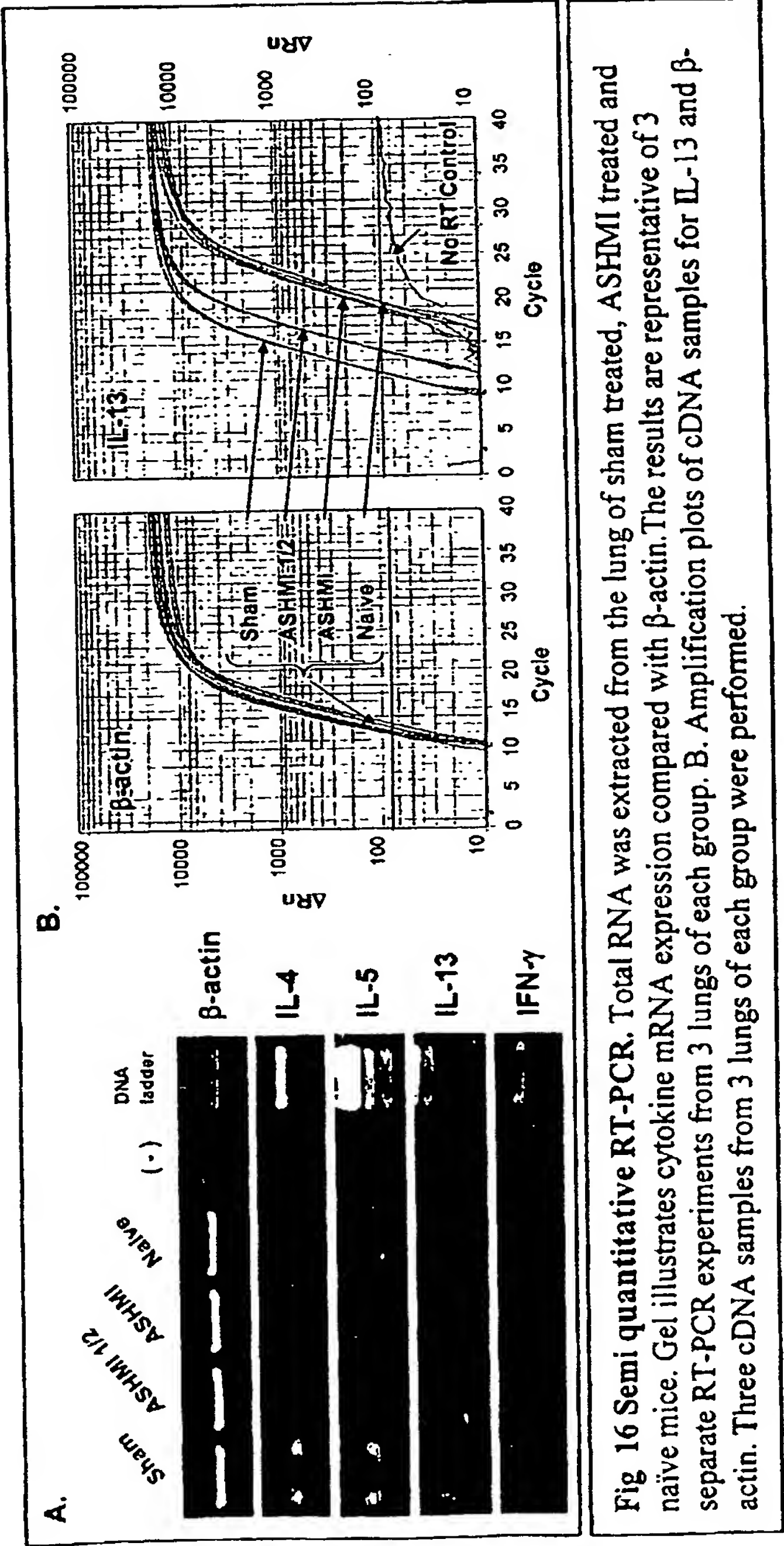
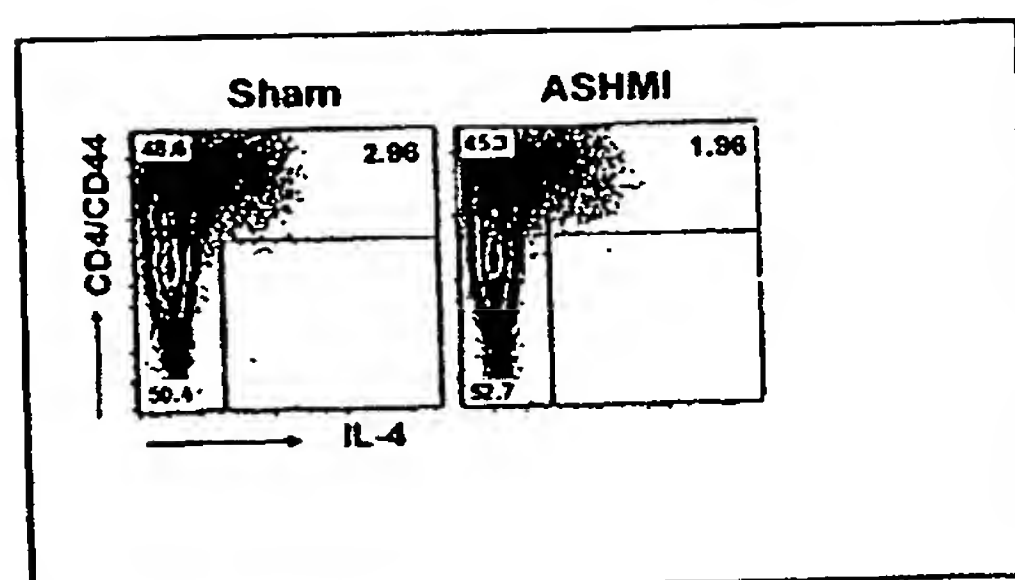


Fig 16 Semi quantitative RT-PCR. Total RNA was extracted from the lung of sham treated, ASHMI treated and naive mice. Gel illustrates cytokine mRNA expression compared with  $\beta$ -actin. The results are representative of 3 separate RT-PCR experiments from 3 lungs of each group. B. Amplification plots of cDNA samples for IL-13 and  $\beta$ -actin. Three cDNA samples from 3 lungs of each group were performed.





**Fig 17. Flow cytometry:** Data show the percent of CD4<sup>+</sup>CD44<sup>+</sup> IL-4<sup>+</sup> cells.

**FIGURE 17**

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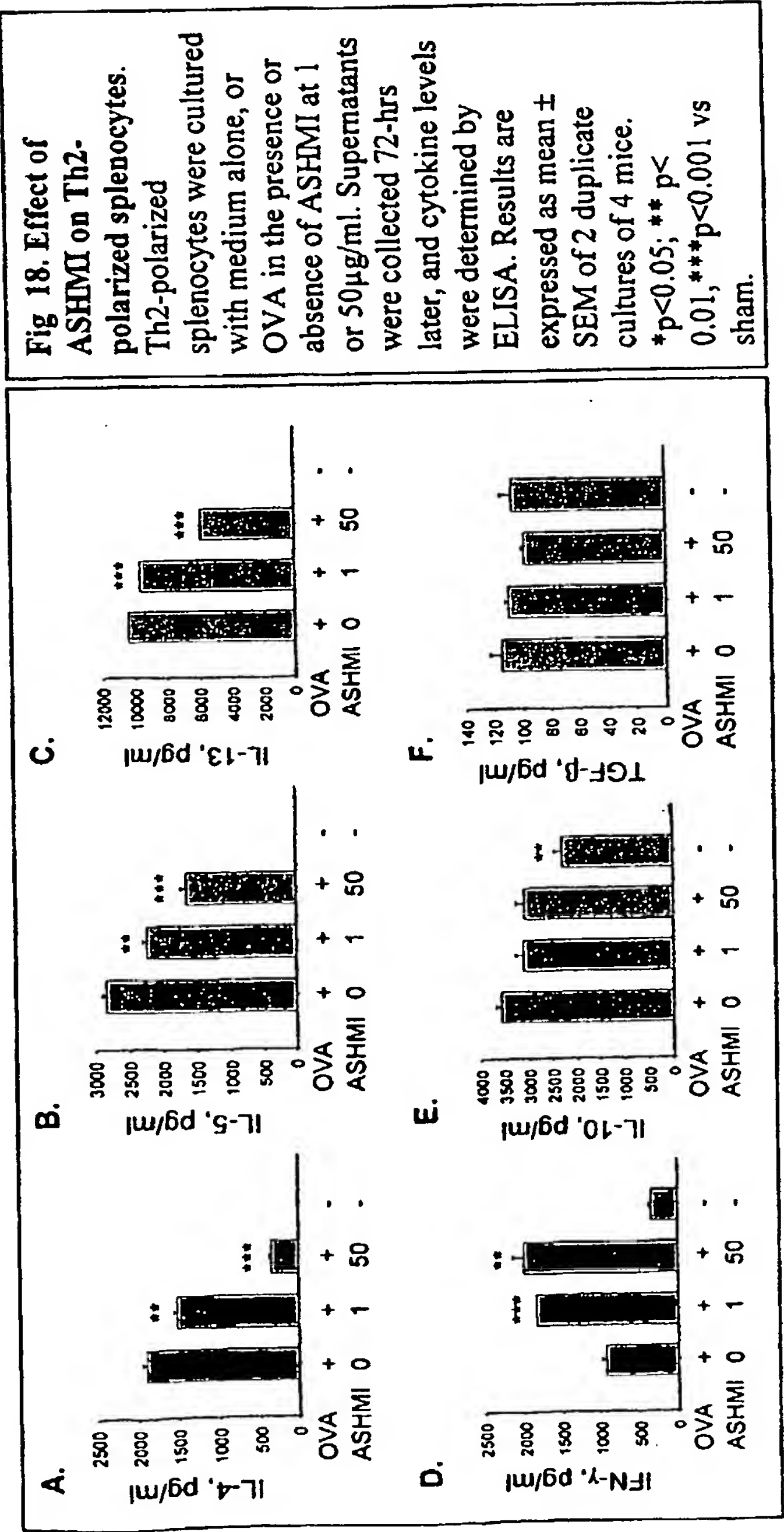
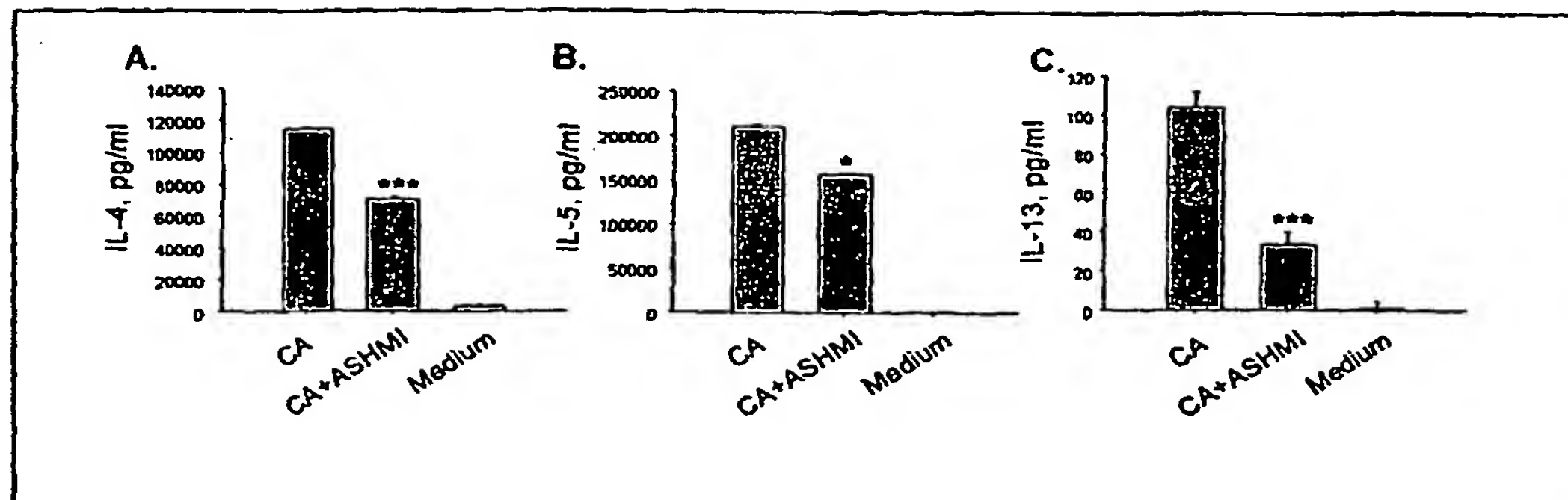
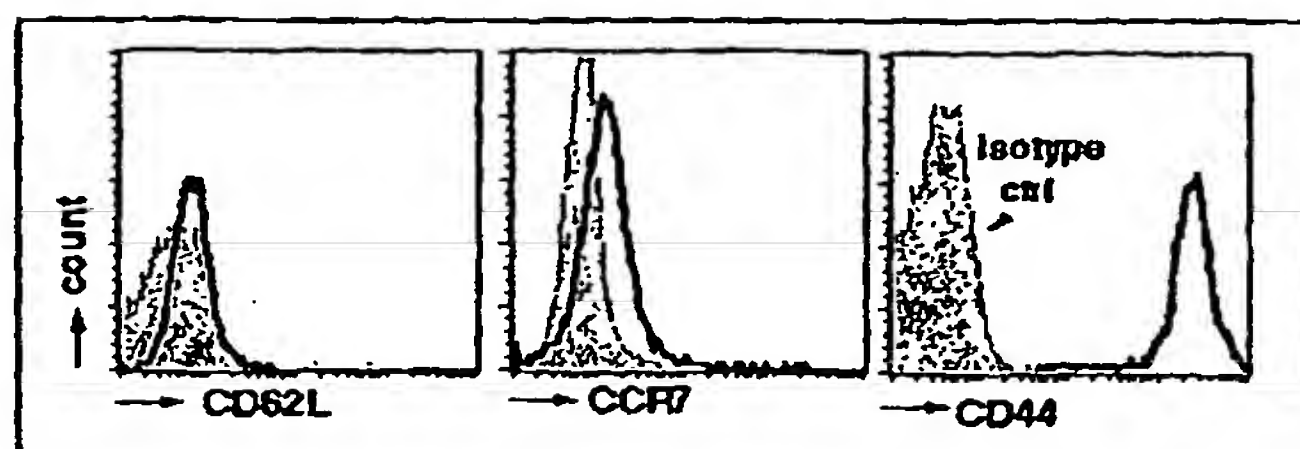


FIGURE 18



**Fig 19. Effect of ASHMI on D10 cells.** D10 cells were cultured in the presence of CA and irradiated syngeneic splenocytes in the presence or absence of ASHMI at 50 $\mu$ g/ml. Supernatants were collected 72-hrs later, and cytokine levels were determined by ELISA. Results are expressed as mean  $\pm$  SEM of triplicate cultures from three experiments. \* $p$ <0.05; \*\*\* $p$ <0.001 vs CA.

**FIGURE 19**



**Fig 20. Phenotype of Th2 polarized cell line, D10.G4.1. Flow cytometry results show D10 cells phenotype  $CD44^{\text{high}}CD62L^{\text{neg}}CCR7^{\text{neg}}$  (the open histogram).**

**FIGURE 20**

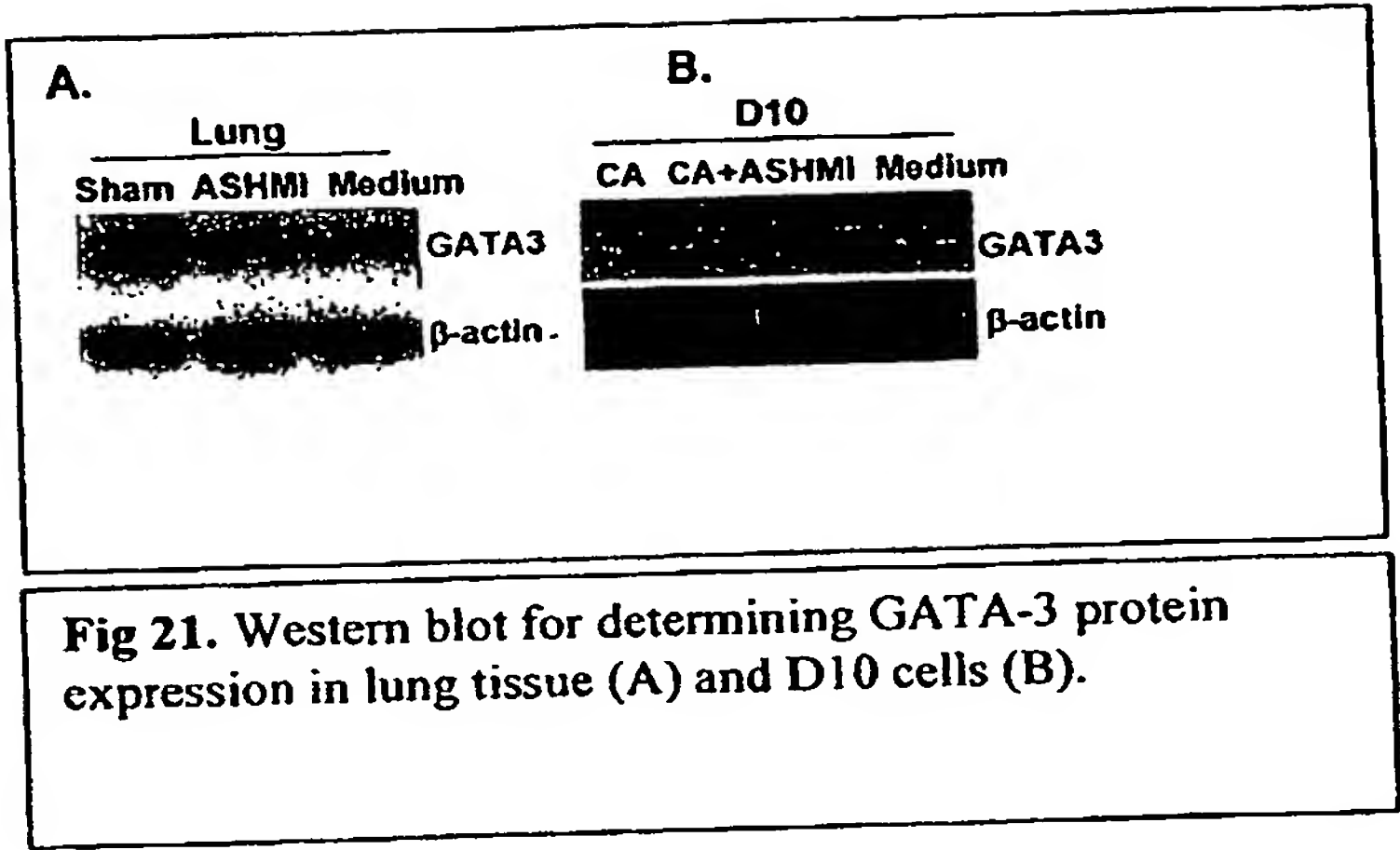


FIGURE 21

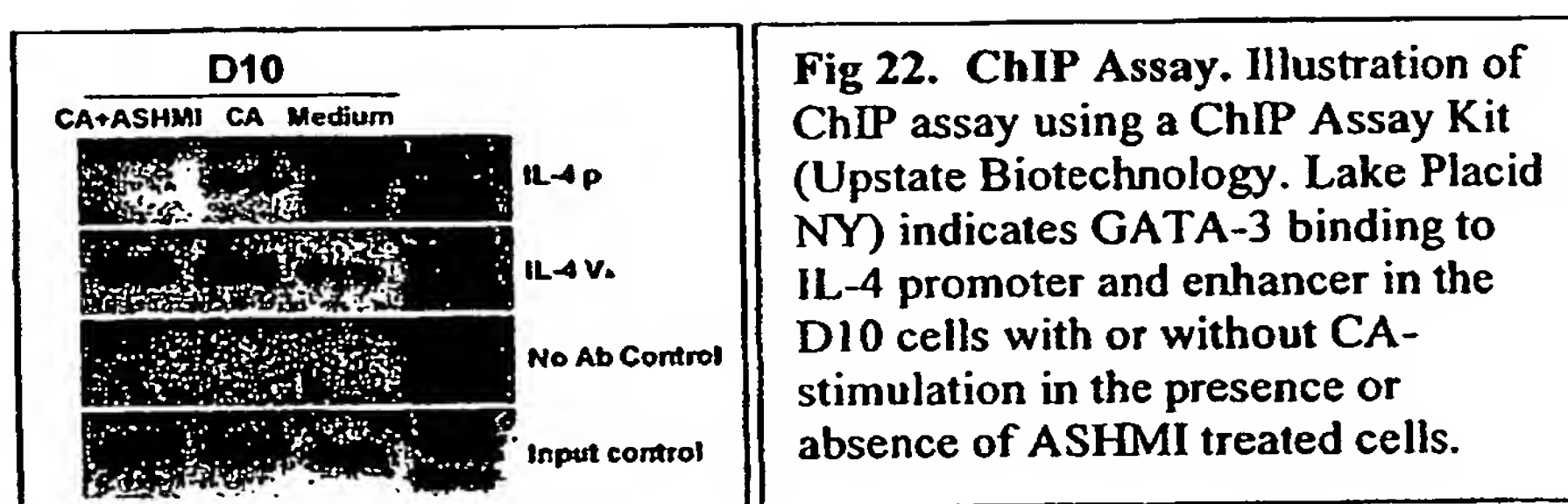
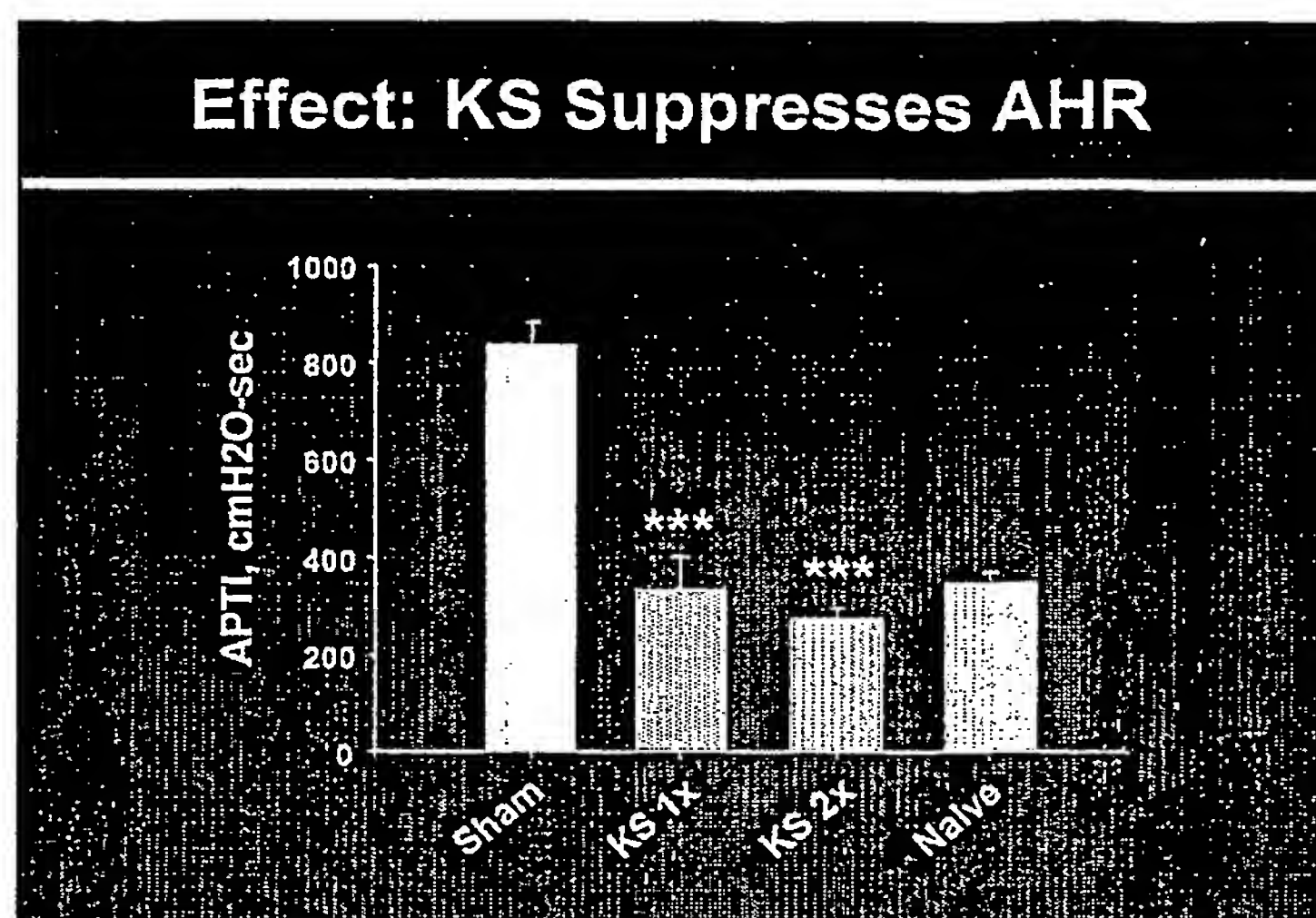


FIGURE 22

**FIGURE 23**

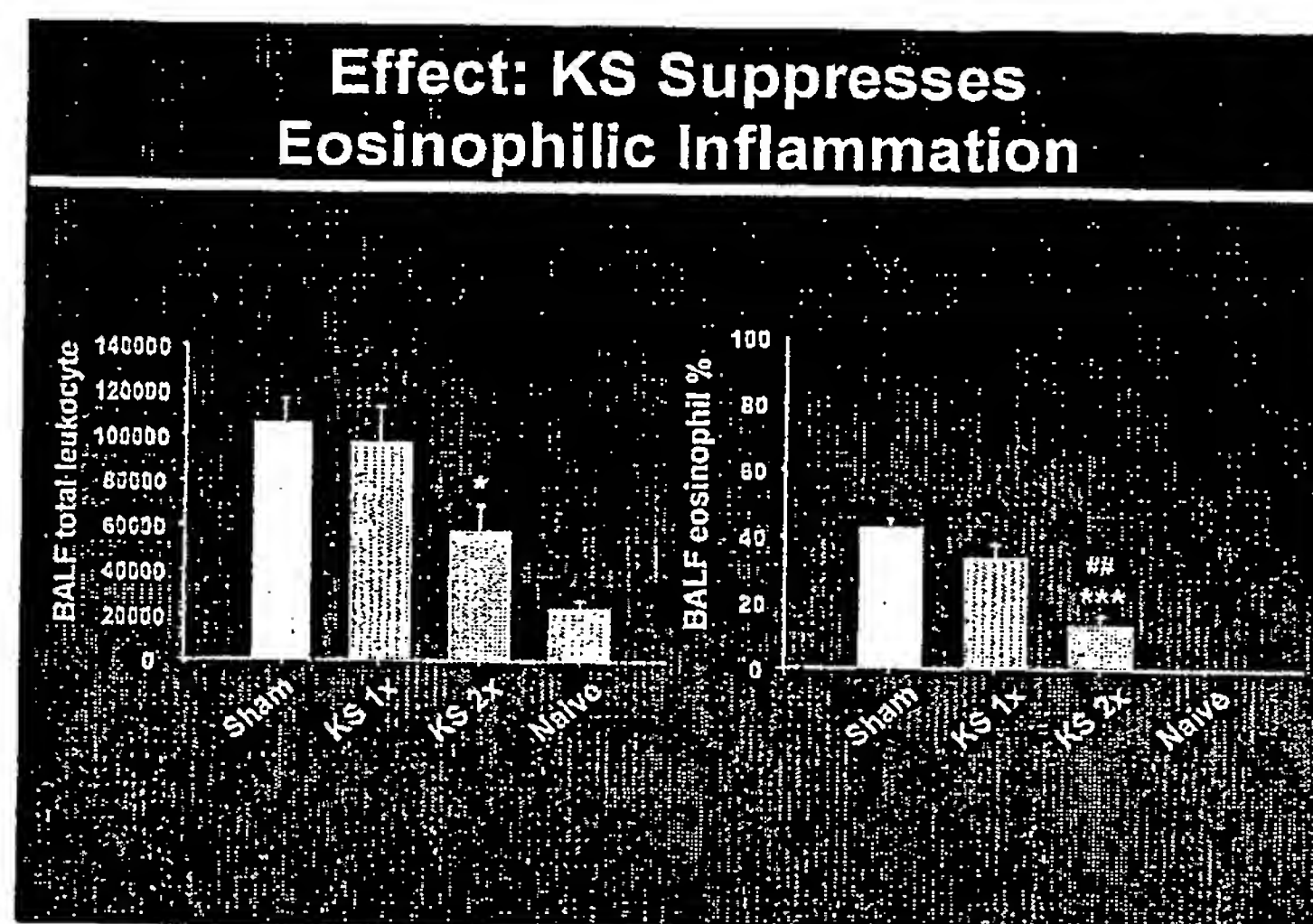


FIGURE 24



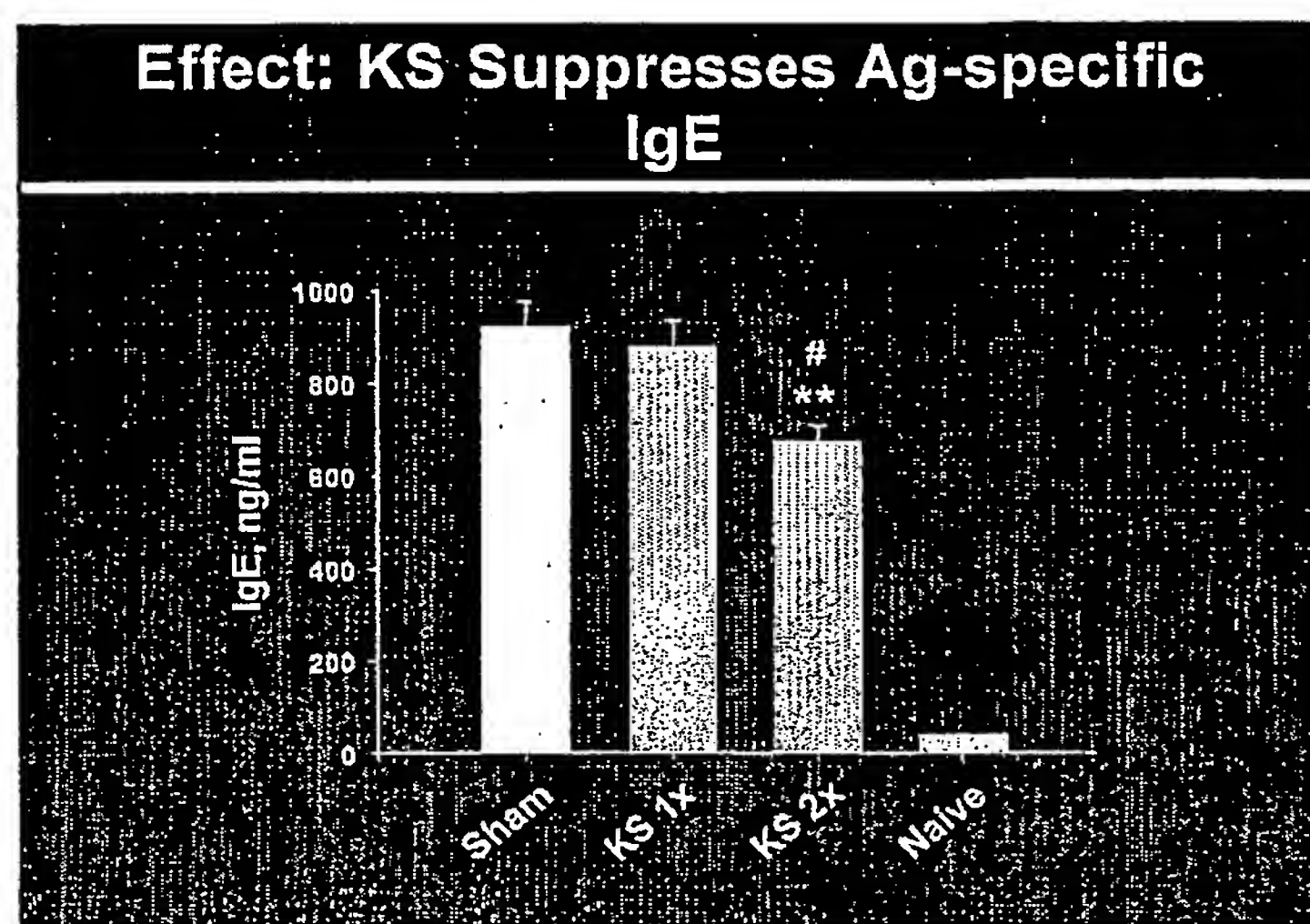


FIGURE 25

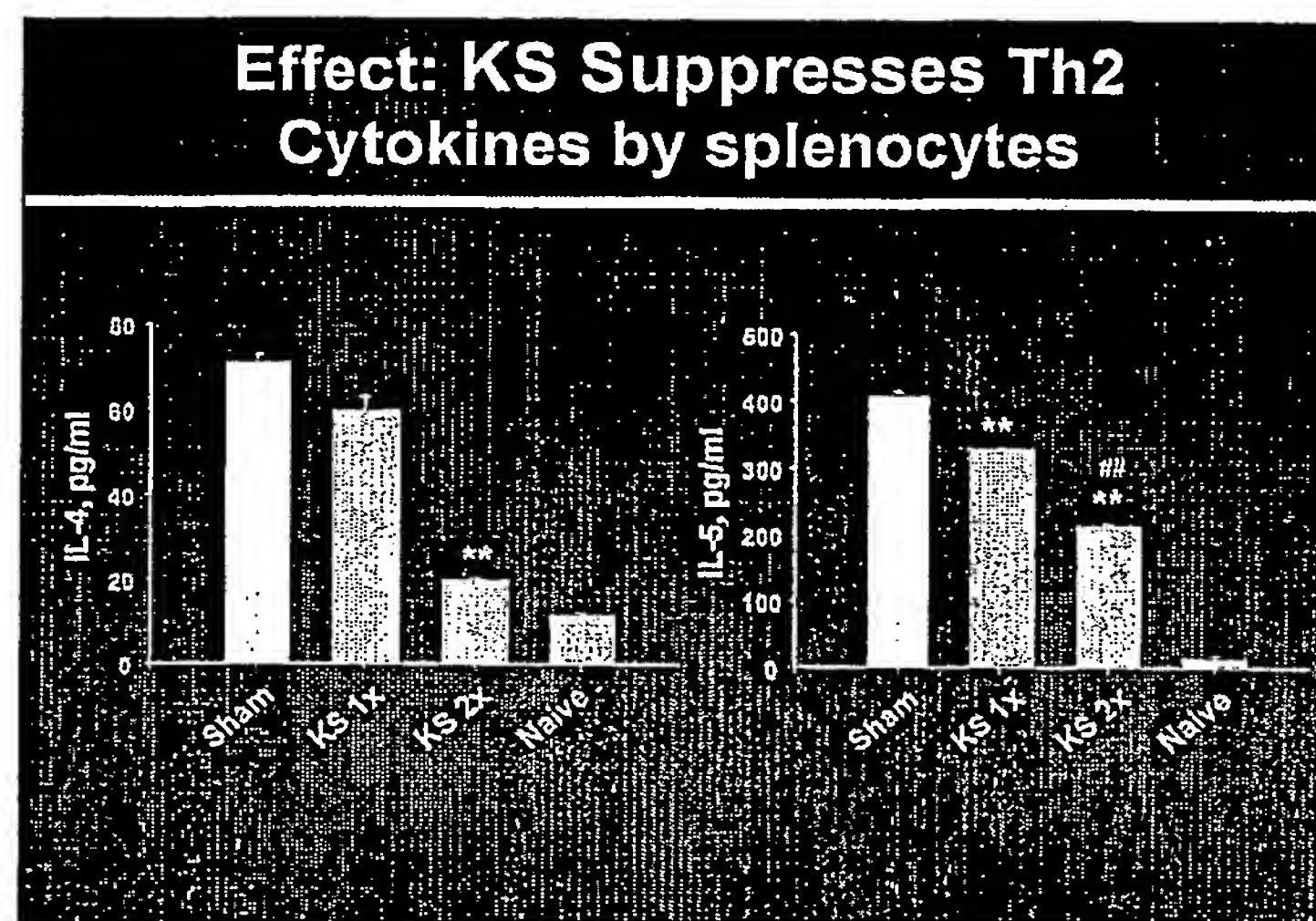


FIGURE 26

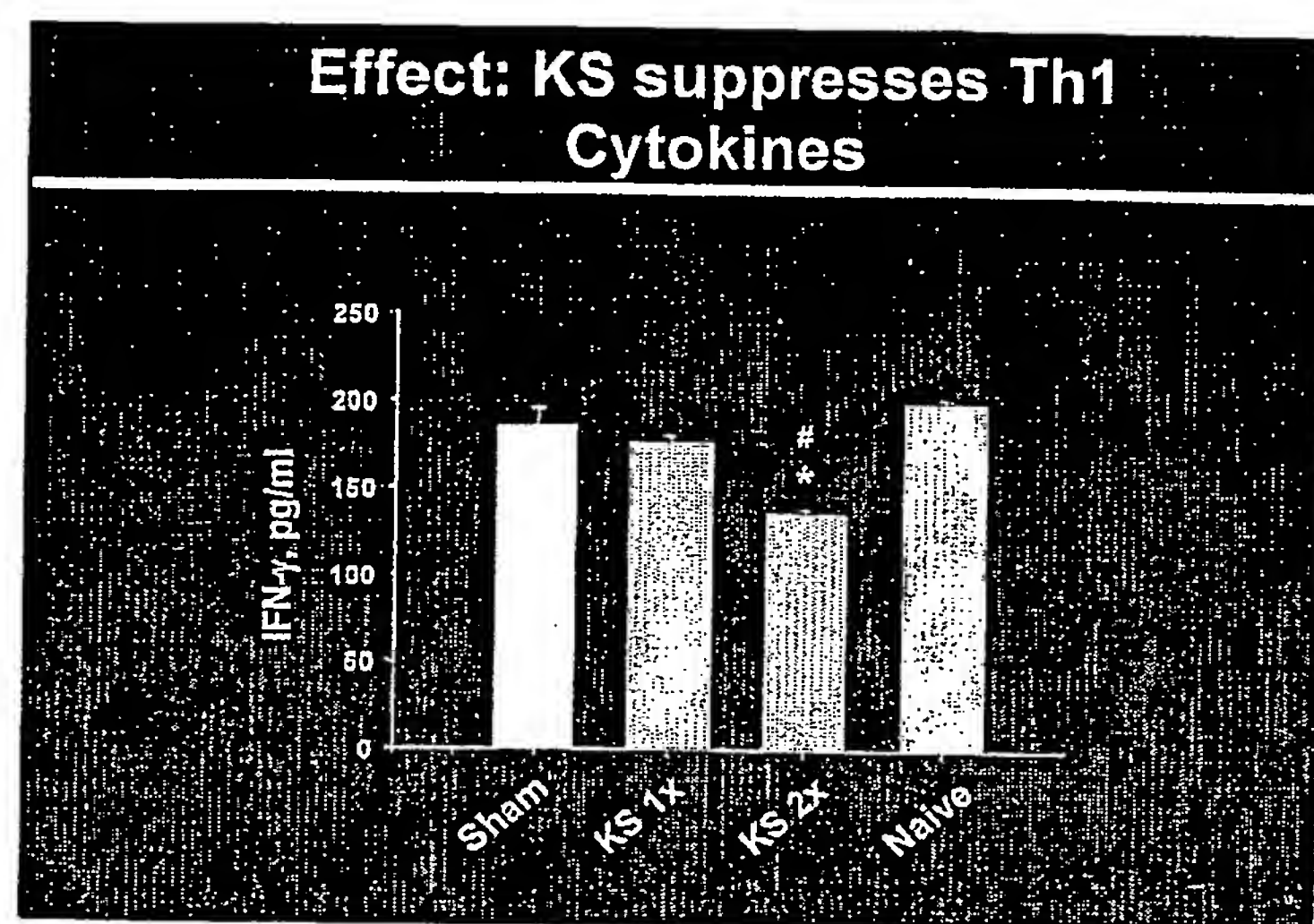


FIGURE 27

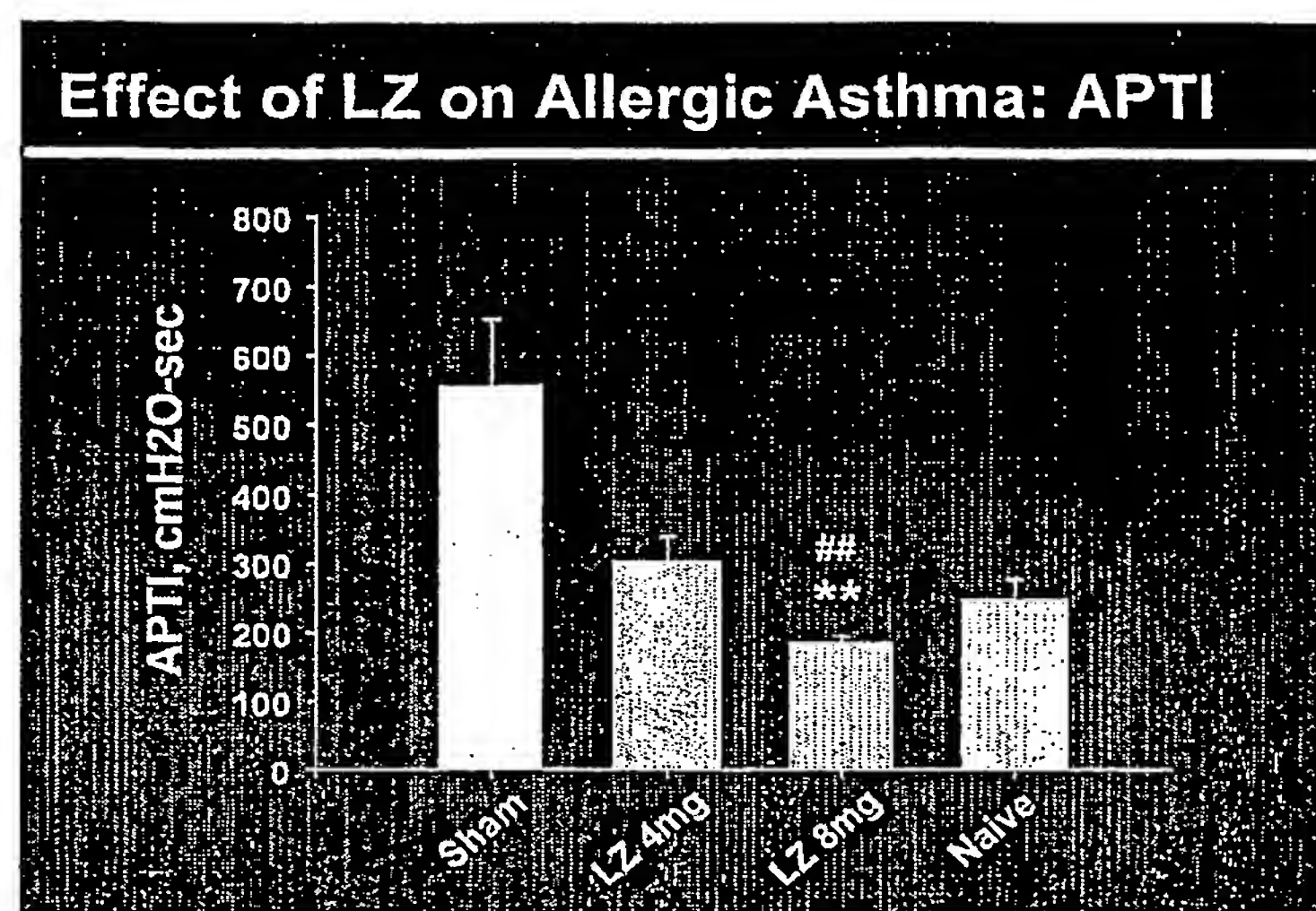


FIGURE 28

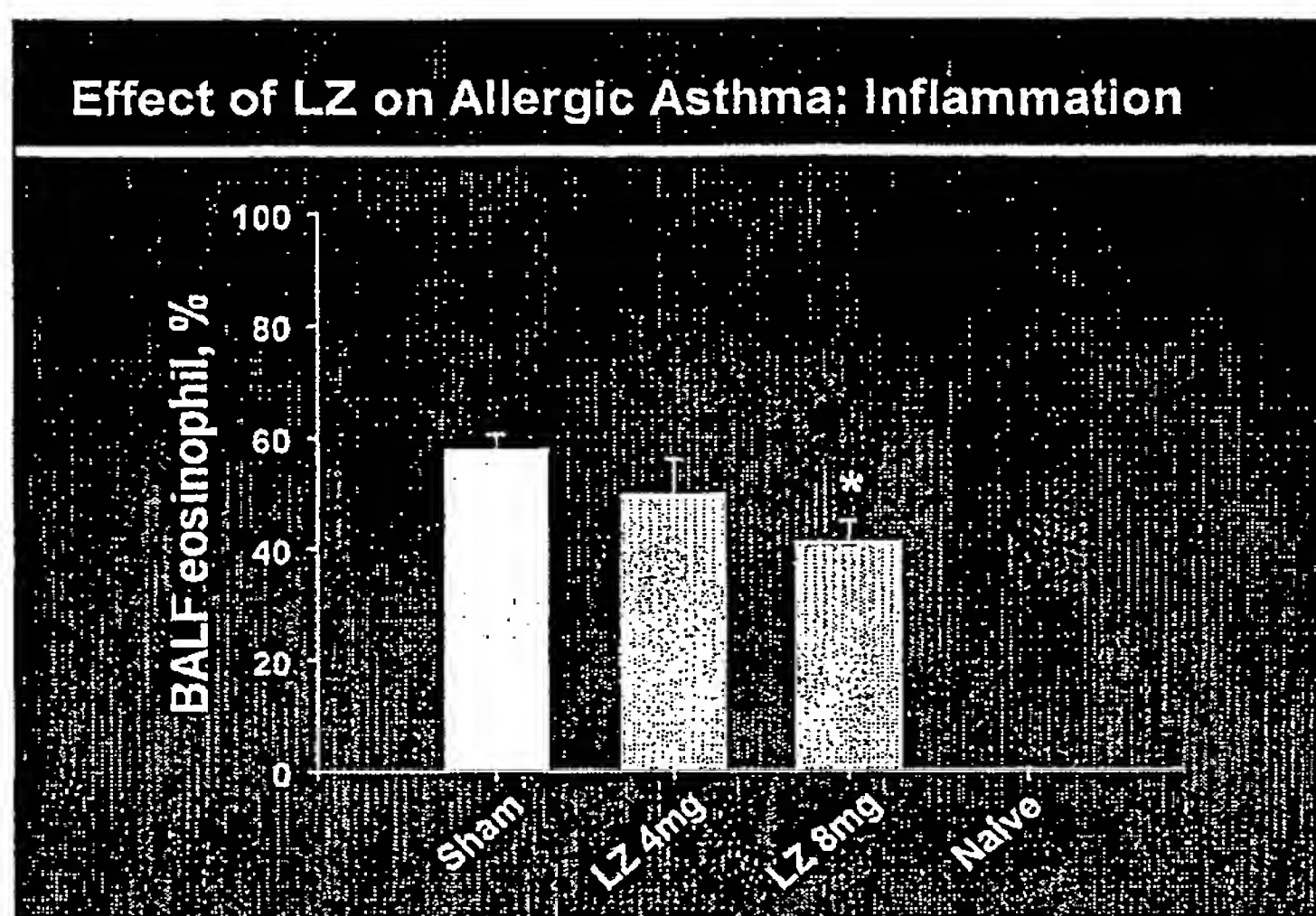


FIGURE 29

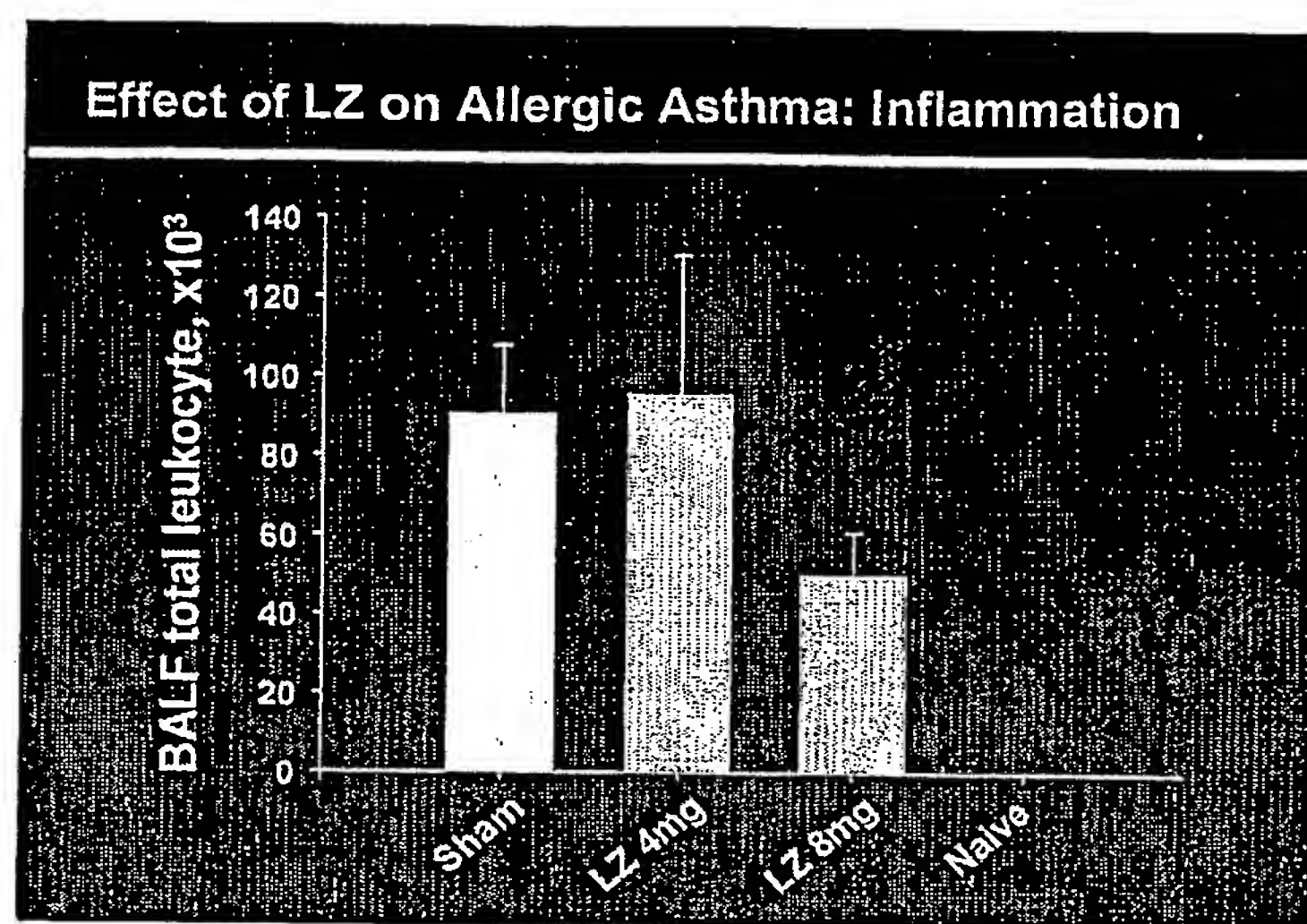


FIGURE 30

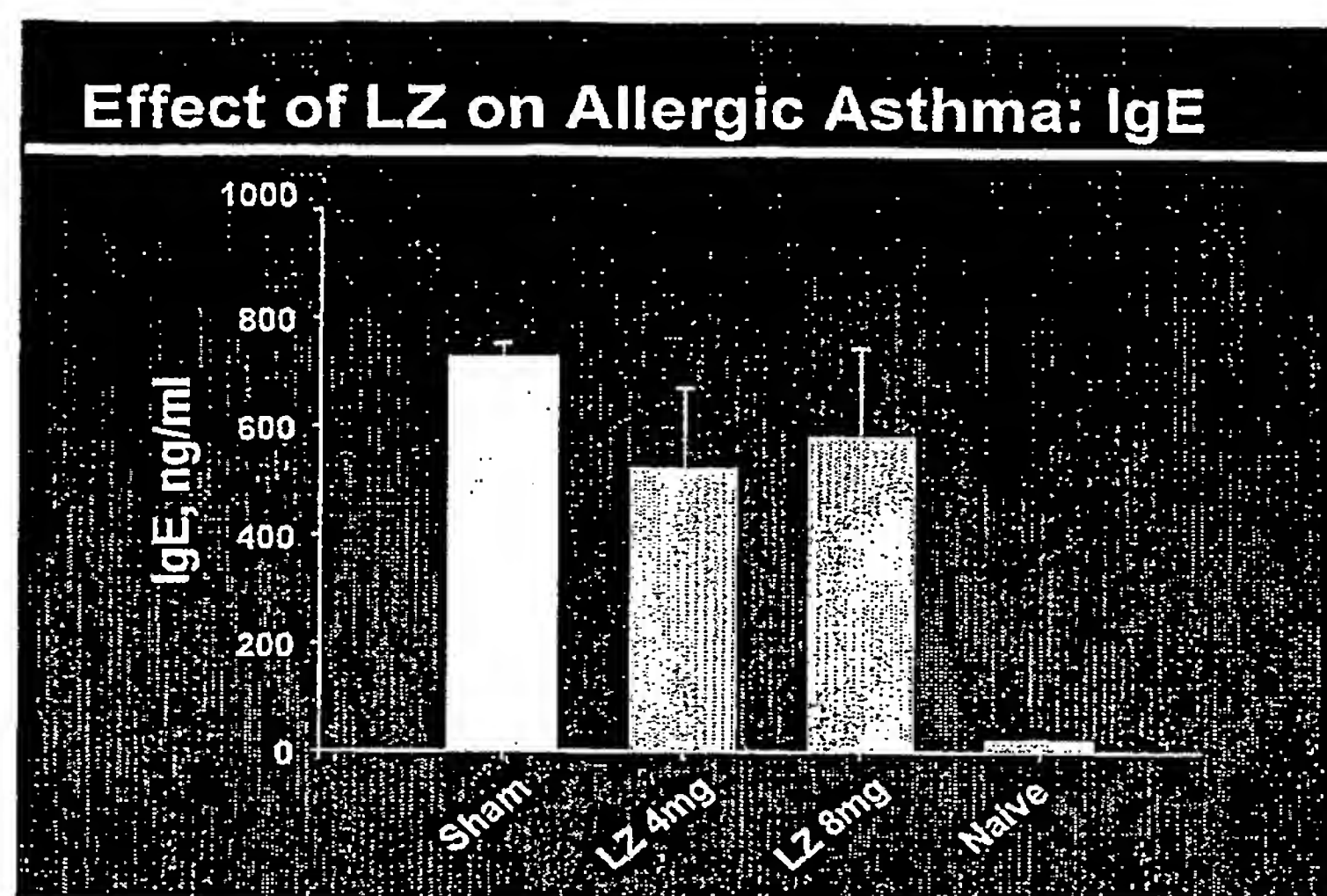


FIGURE 31



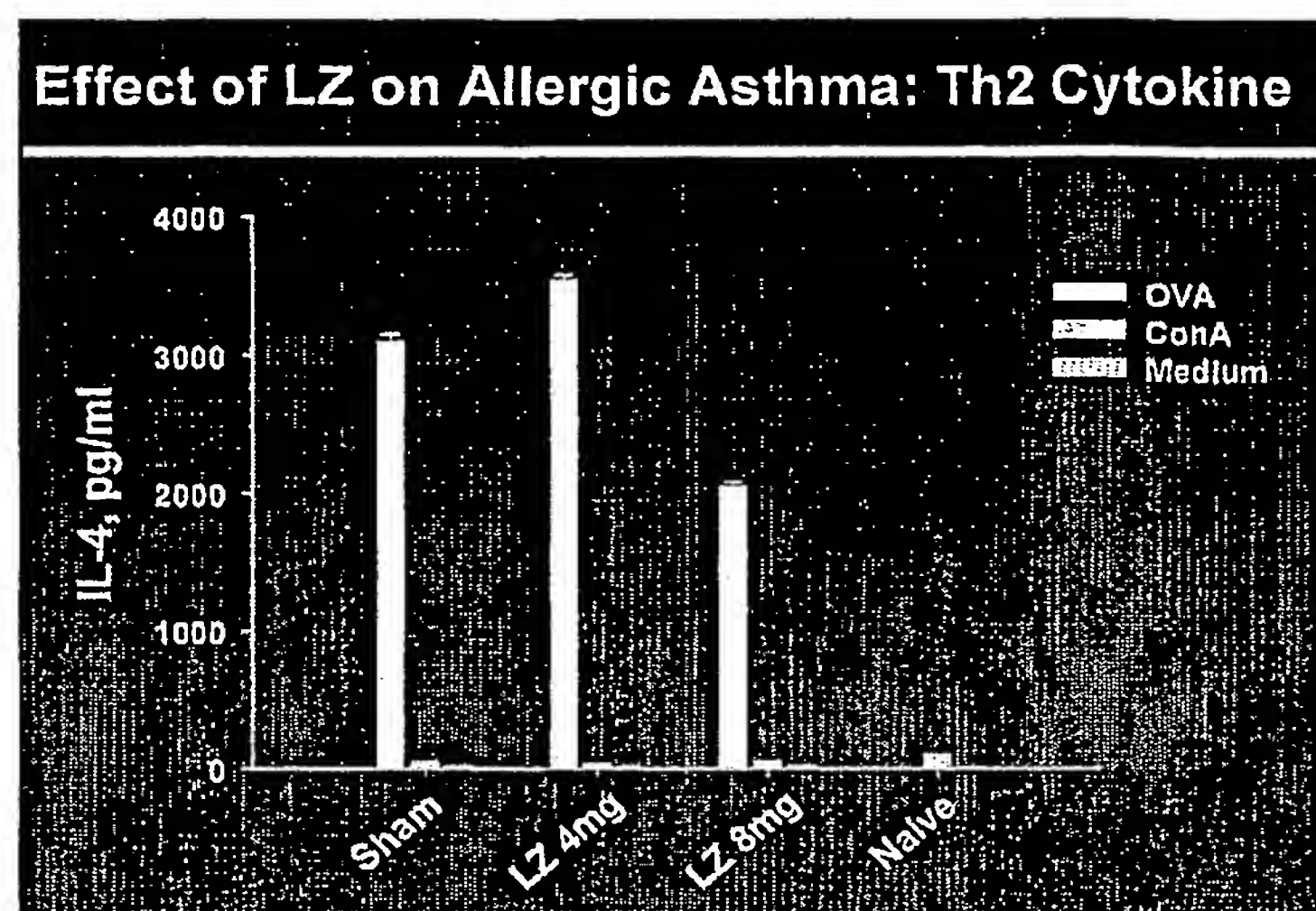


FIGURE 32



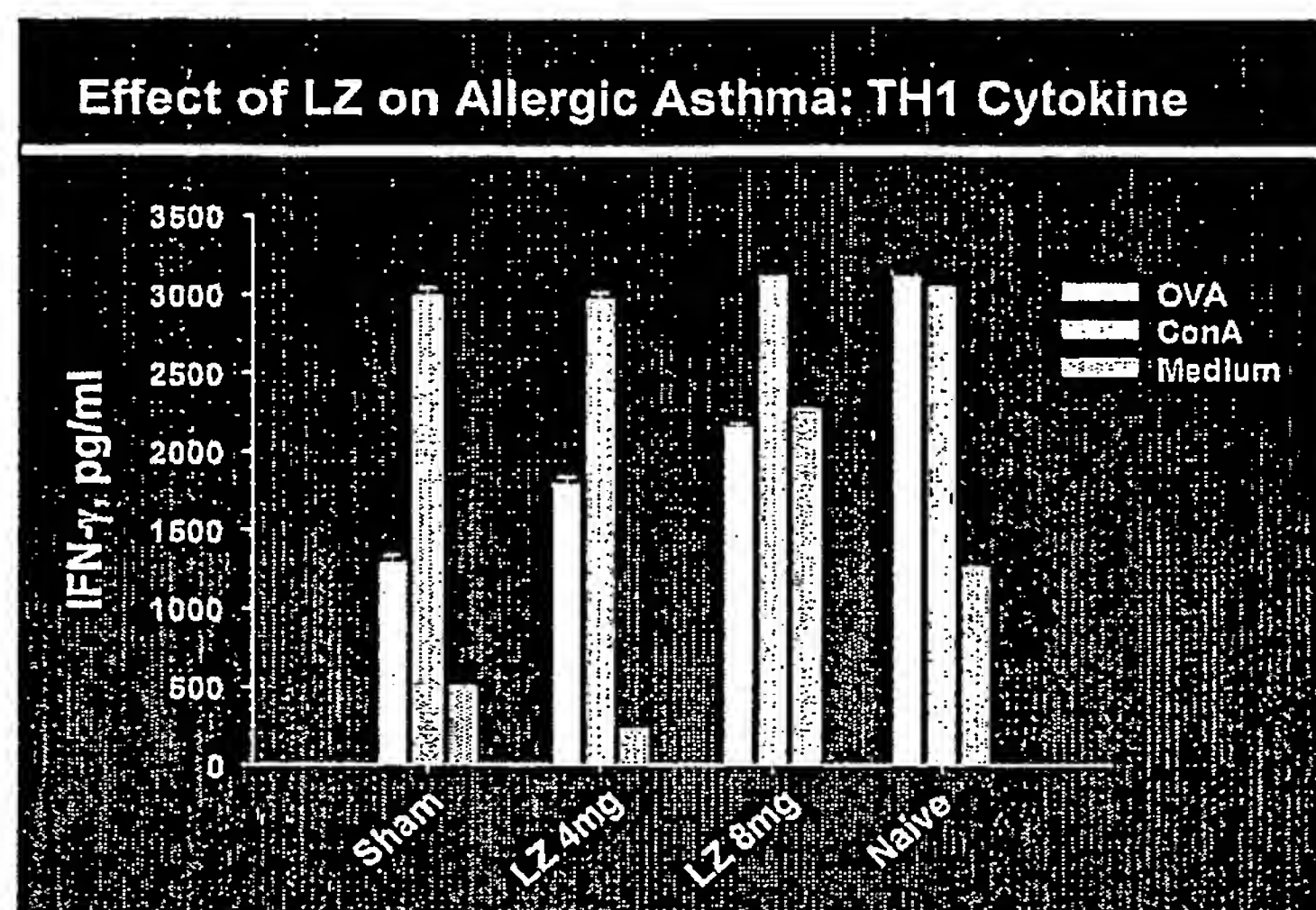
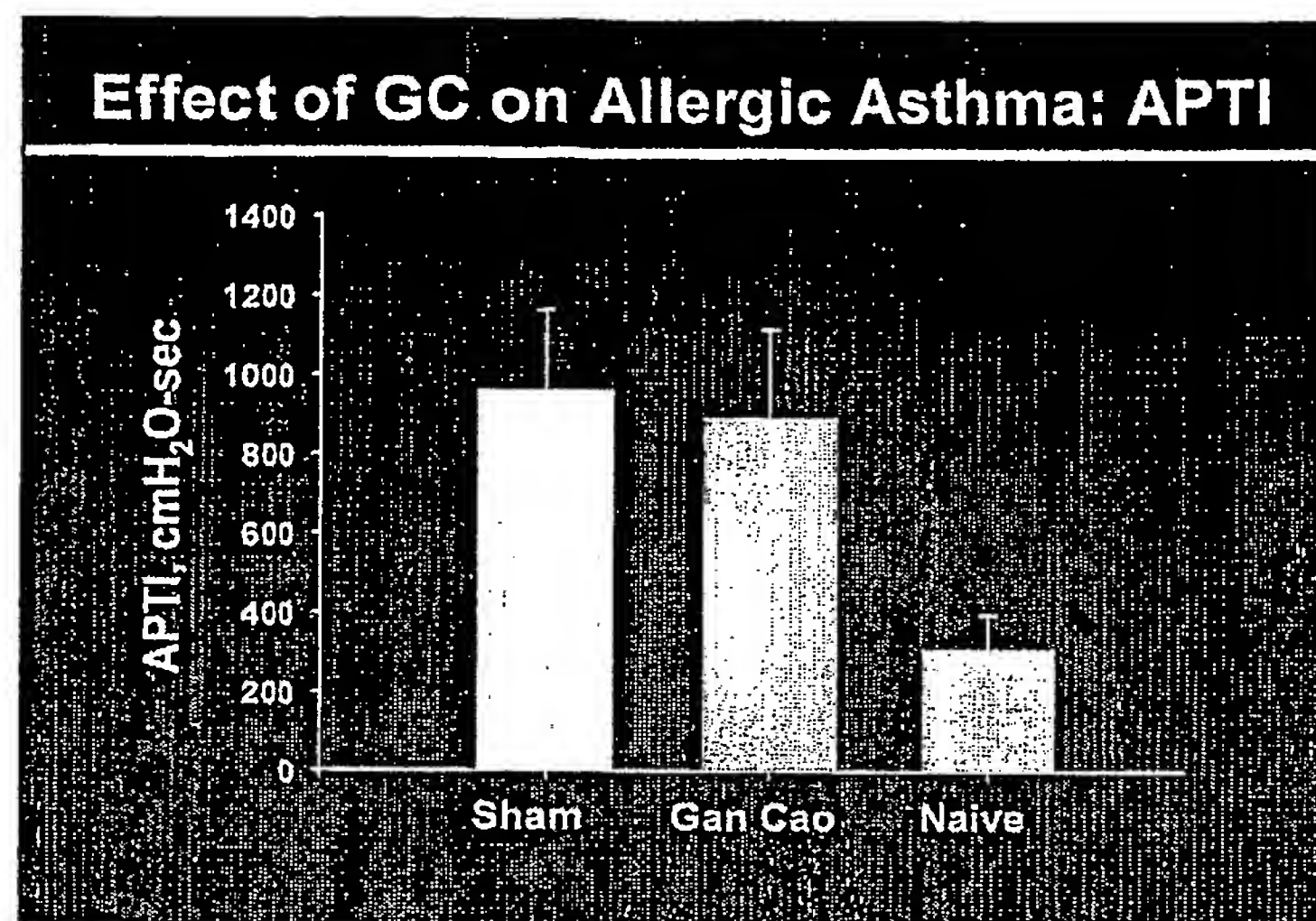
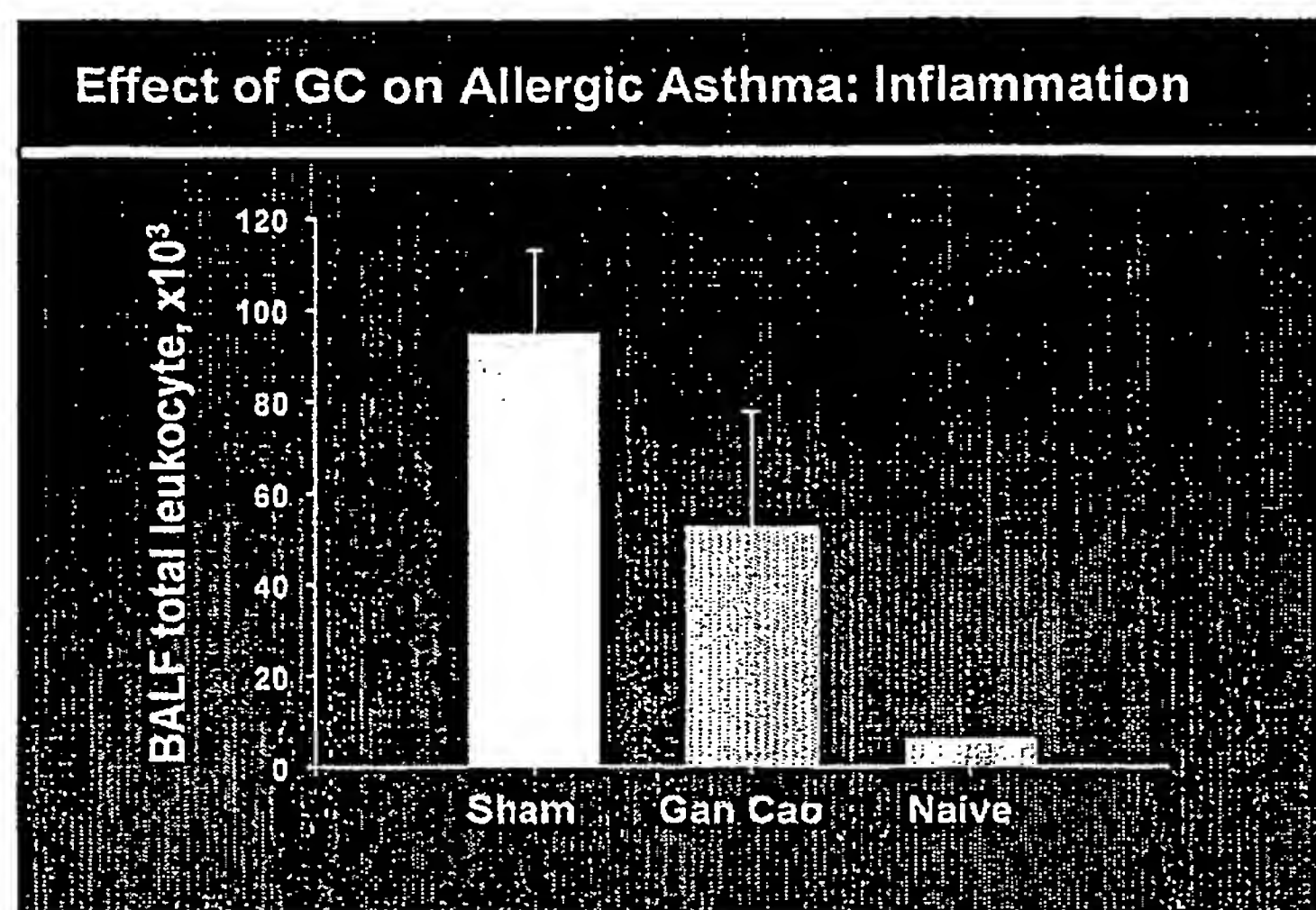
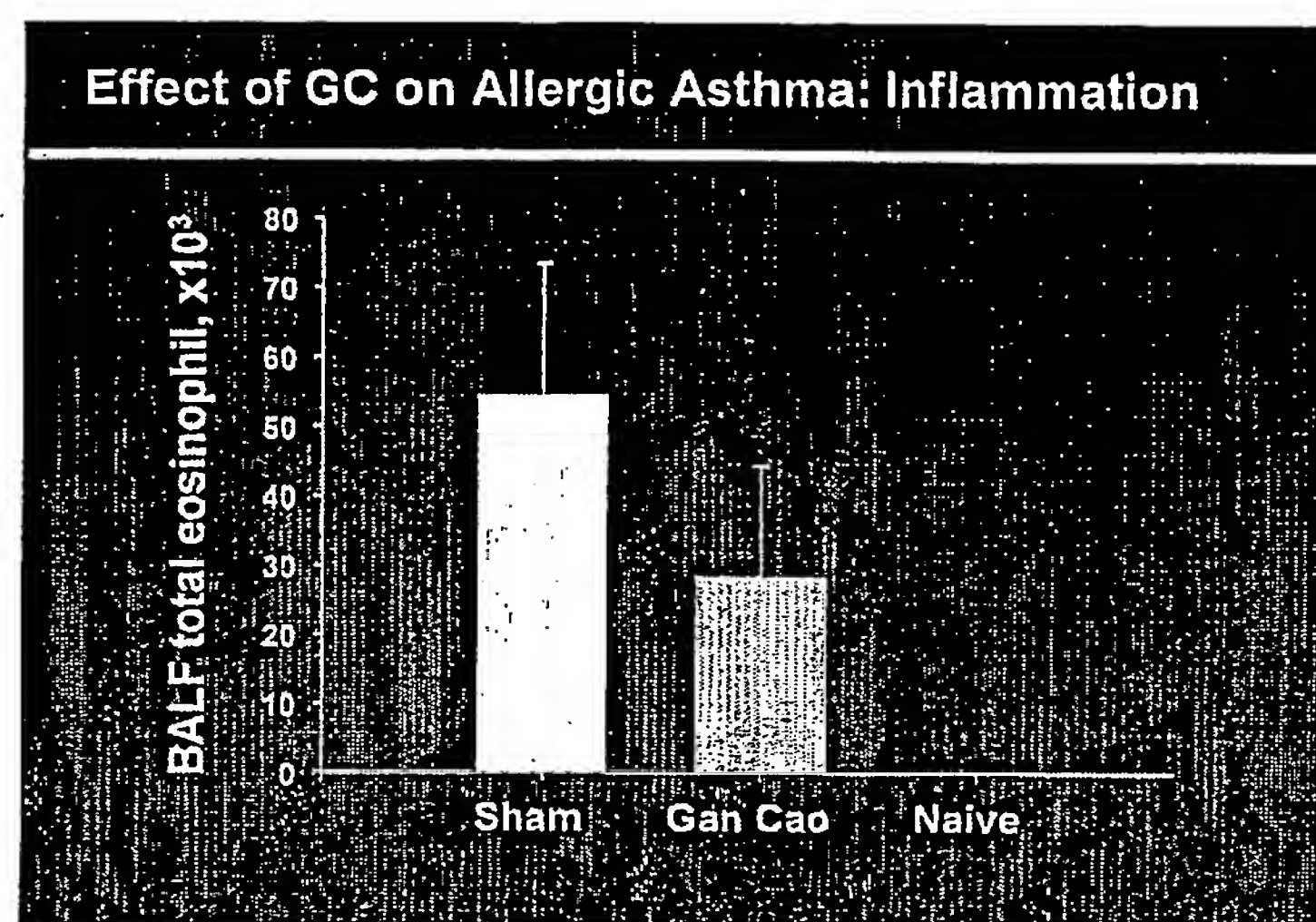
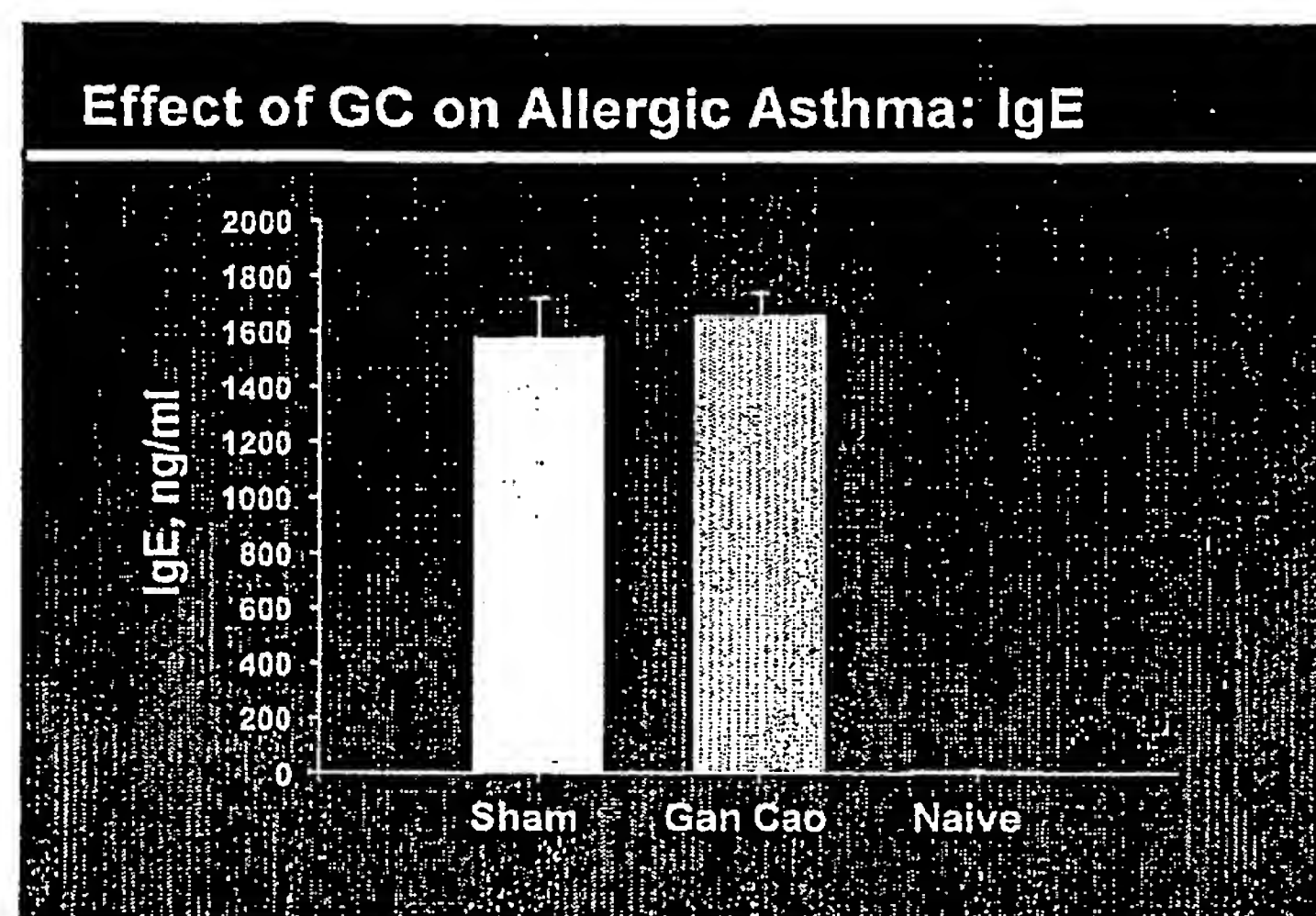


FIGURE 33

**FIGURE 34**

**FIGURE 35**

**FIGURE 36**

**FIGURE 37**

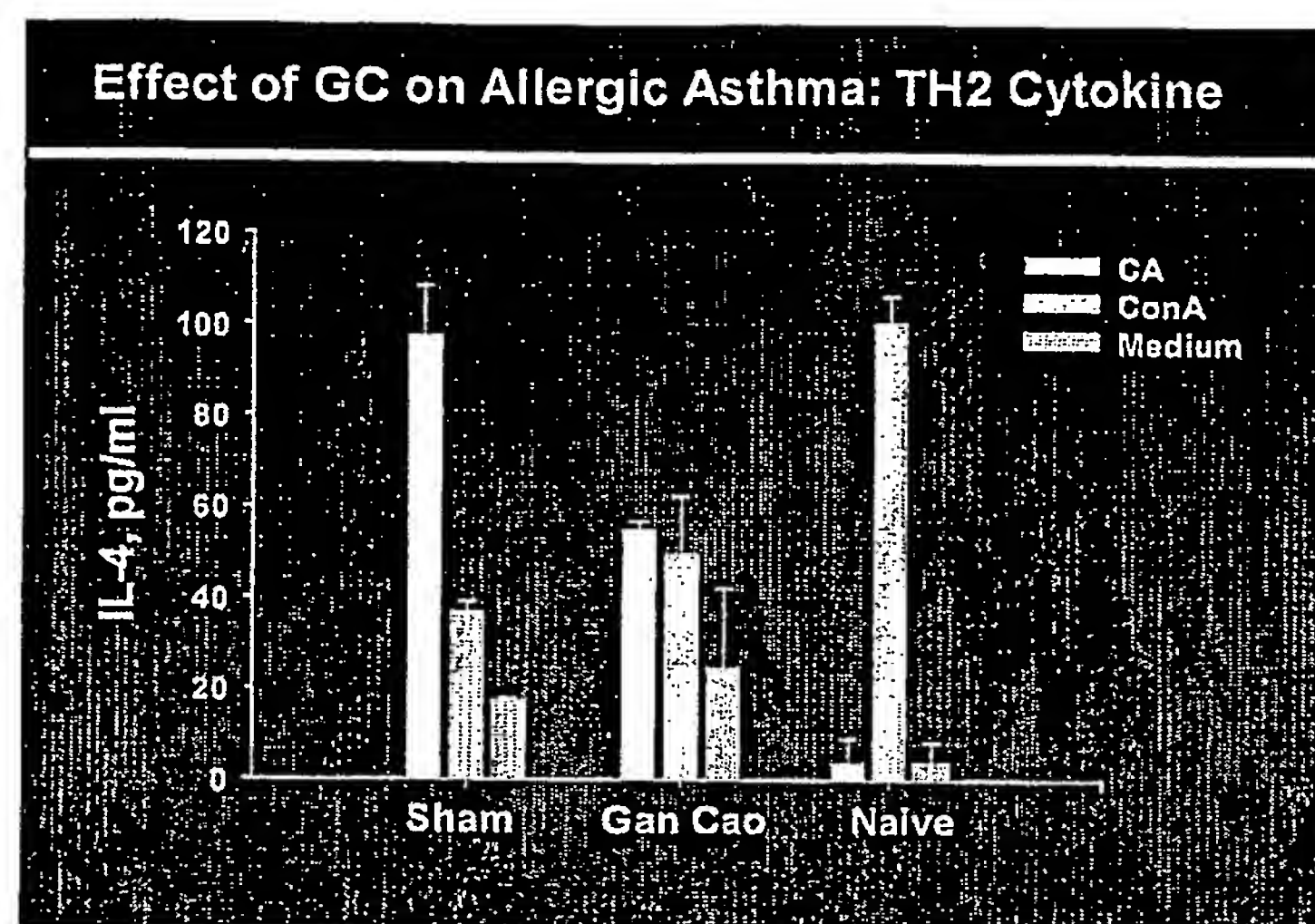


FIGURE 38

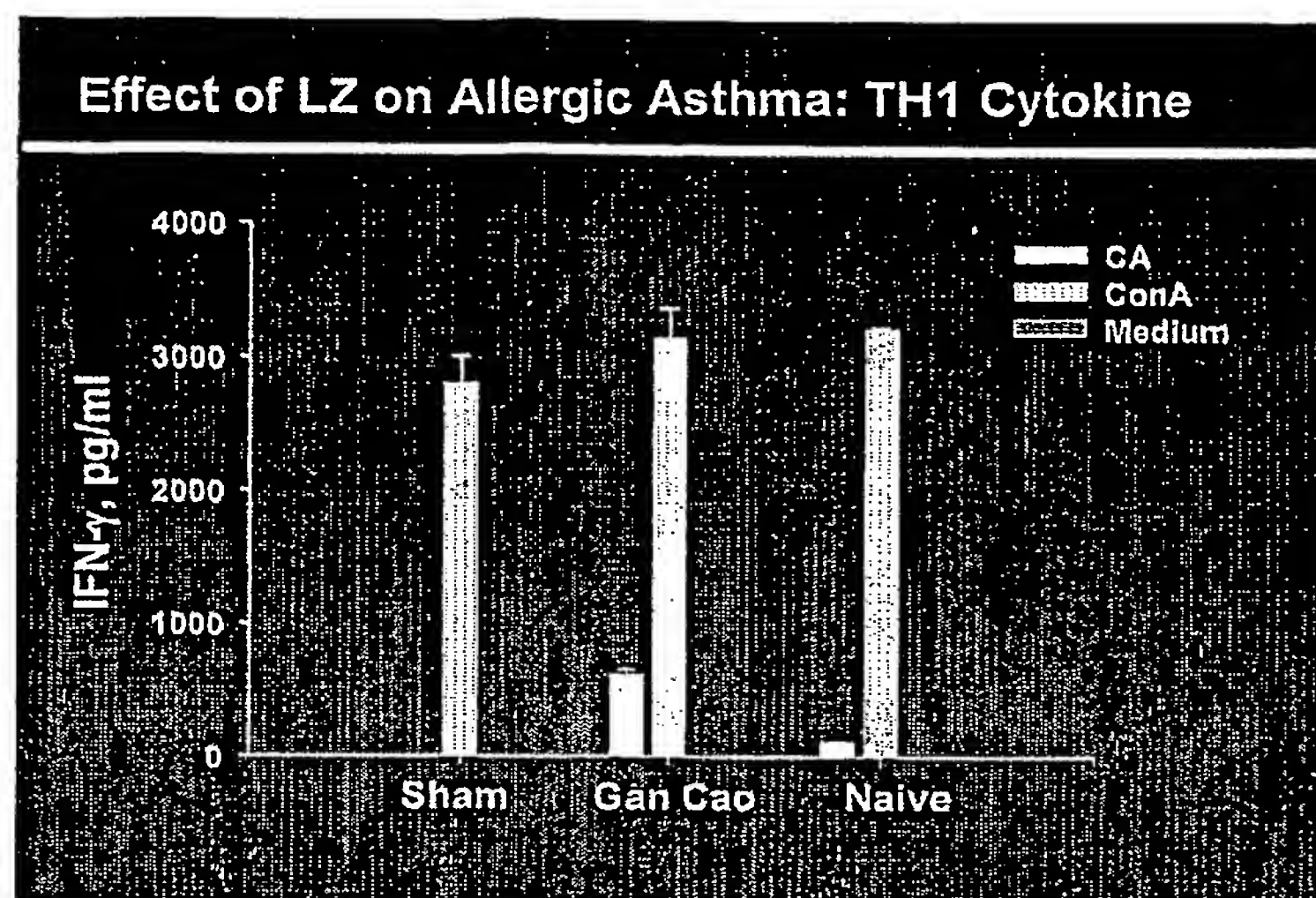


FIGURE 39



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